



**COLORADO**  
Department of Transportation  
Office of the Chief Engineer

Chief Engineer/Director of Stormwater Compliance  
4201 East Arkansas Avenue, Suite 262 (until May 2018)  
2829 W. Howard Pl (May 2018 going forward)  
Denver, CO 80222-3400

January 31, 2018

U.S. EPA Region 8  
NPDES Enforcement Unit  
1595 Wynkoop Street  
Denver, CO 80202-1129  
Attn: Mr. Emilio Llamozas (8ENF-W-NP)

Dear Mr. Llamozas:

CDOT is pleased to submit our January 31, 2018 Administrative Order on Consent (AOC) response for your review in table format. All AOC action items are summarized with responses and references to supporting attachments in Table 1. Attachments are numbered by the relevant AOC paragraph for this required submittal.

CDOT continues towards improving our MS4 Permit Program and completing all future AOC items. We are working towards improving existing processes and communicating expectations and responsibilities within our organization, as represented in the table and attachments. We believe that we are moving forward and making positive progress.

A signed copy of this submittal will be forthcoming in the mail. If you have any questions, comments, or additional requests please contact Jane Hann by email at [jane.hann@state.co.us](mailto:jane.hann@state.co.us) or by phone at 303.757.9630.

Sincerely,

Joshua Laipply, P. E.

Chief Engineer/Director of Stormwater Compliance

Attachments

CC: Nathan Moore, CDPHE  
Stephanie DeJong, EPA  
Peggy Livingston, EPA  
Debra Perkins-Smith, CDOT  
Jane Hann, CDOT  
Kyle Lester, CDOT  
Jim Ballard, Audit Division, CDOT

Jean Cordova, CDOT  
Tripp Minges, CDOT/CDPHE  
Stephanie Gibson, FHWA  
Harry Morrow, CO AG



**Table 1: Summary of EPA Administrative Order on Consent**  
**Current CDOT Actions Status**

**1/31/2018 Response**

CDOT has completed all AOC actions/deliverables required to date (**date in red text and yellow highlight**) and are on track for the remaining requirements (**date in red text and blue highlight**). Previously reported items are **dates in red text and highlighted in gray**.

<b>EPA Administrative Order on Consent Order Action Requirements</b>	<b>CDOT Actions Completed January 31, 2018</b>
63. CDOT shall comply with the 2015 Permit.	<p><b>Status:</b> <b>Ongoing</b></p> <p><b>Actions:</b> Trainings, tracking MS4 Permit program compliance including maintenance yards, water quality compliance on construction projects, and cleaning permanent water quality control facilities. All items listed in the permit compliance schedule were completed on time and continue to be updated as needed. All Program Description Documents can be found on our website (<a href="https://www.codot.gov/programs/environmental/water-quality/stormwater-programs.html">https://www.codot.gov/programs/environmental/water-quality/stormwater-programs.html</a>).</p> <p><b>Next Steps:</b> We will continue to follow our MS4 Permit and update program documents and SOPs as needed.</p>
<p>64. By <b>December 31, 2017</b>, CDOT shall conduct a review of its Stormwater Management Program resources and evaluate whether these resources (personnel, equipment and other resources) are adequate for implementing the current Stormwater Management Program and for complying with the 2015 Permit. By <b>January 31, 2018</b>, CDOT shall provide the EPA and CDPHE with a written summary of:</p> <ul style="list-style-type: none"> <li>a) The Stormwater Management Program resources review;</li> <li>b) What additional resources are needed, if any, including a time frame for obtaining these resources; and</li> </ul>	<p><b>Status:</b> <b>100% Complete as Required</b> CDOT has completed this resource assessment and has put into place, measures for addressing identified gaps in the resources for MS4 Permit compliance.</p> <p><b>Actions:</b> Details for AOC item 64 a), b), and c) are included in <b>Attachment A_AOC Item 64_65_75 Resource Assessment Summary</b>. Attachment A - also covers AOC Items 65 and 75.</p> <p>The expenditures before the audit were about \$7.72M/yr. Since the audit, the expenditures have increased to approximately \$7.82M with an expected annual expenditure of \$8.32M/yr in the future, which has been committed to by Executive Management and the Regions. This future amount may decrease once some major program changes have been addressed. The staffing has also increased permanently by a few people, but many more are sharing in the workload than before and the use of consultants is increasing.</p>

**Table 1: Summary of EPA Administrative Order on Consent**  
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<b>EPA Administrative Order on Consent Order Action Requirements</b>	<b>CDOT Actions Completed January 31, 2018</b>
c) A plan to ensure that adequate resources (personnel, equipment and other resources) will be provided to comply with the 2015 Permit.	<p>Many of the identified gaps have been addressed through the reallocation of staffing and funding, and by changing processes to be more efficient (including the funding to hire consultants to fill staffing and resource needs as they arise). Other gaps were filled by hiring additional staff, and by acquiring some additional, short-term funding to address maintenance of Maintenance yards or Permanent Water Quality Facilities to bring them to a level that is easy to maintain going forward. Through these changes in funding, resources, and processes, we feel that CDOT's program will function in a sustainable manner in future years.</p> <p><b>Next Steps:</b> Resources will continually be assessed through the MS4 Permit term (ends July 2020) and beyond to ensure that there are sufficient resources to stay compliant with the MS4 Permit. Because of this audit, we have adjusted our resources to better meet CDOT's needs in the future.</p>
65. By <b>December 31, 2017</b> , CDOT shall allocate adequate funding to the Regional offices in order to ensure long-term maintenance of PWQFs. By <b>January 31, 2018</b> , CDOT shall provide the EPA and the CDPHE a summary of the funding provided to each of the Regional offices to perform long-term maintenance of PWQFs.	<p><b>Status:</b> <b>100% Complete as Required</b>  The approach is slightly different than described in this Order Action Requirement. HQ Maintenance is managing the additional funds, in collaboration with the regions, to make sure this funding is dedicated to the appropriate PWQF maintenance task. Details on the process are described in <b>Attachment A – which also covers AOC Items 64 and 75.</b></p> <p><b>Actions:</b></p> <ol style="list-style-type: none"> <li>1) CDOT will contract out the initial deep cleaning of the PWQFs. This strategy will make annual maintenance easier to conduct, and maintenance frequency needs easier to determine.</li> <li>2) CDOT is training/certifying water quality and maintenance staff regarding the inspection and maintenance of these PWQFs. CDOT is also hiring consultants to assist with the inspection of these facilities. Out of this initial diagnostic inspection and deep cleaning maintenance of these PWQFs, there will be an assessment of those PWQFs that may need construction support for those that are not properly functioning or need better access for maintenance, etc. These PWQFs will be pulled out of this deep cleaning maintenance effort and put in a "retrofit" group that will require additional engineering and environmental clearances prior to the implementation of the retrofits. The retrofit needs and schedule will be developed this year for a Transportation Commission funding approval request.</li> </ol>

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EPA Administrative Order on Consent Order Action Requirements	CDOT Actions Completed January 31, 2018
	<p><b>Next Steps:</b> Conduct the work as planned and funded for the initial deep cleaning of the PWQFs and use this cost information, once spent, to establish how much funding will need in the future to ensure long-term maintenance of PWQFs.</p>
<p>66. By <b>September 1, 2017</b>, CDOT shall complete its MS4 and Stormwater Management Plan training materials. By <b>December 31, 2017</b>, CDOT shall provide training to CDOT Headquarters and Regional staff with MS4 responsibilities on the requirements of the 2015 Permit and associated CDOT programs, including but not limited to:</p> <ul style="list-style-type: none"> <li>a) permit boundary determination,</li> <li>b) 2015 Permit requirements,</li> <li>c) construction general permit requirements,</li> <li>d) those portions of CDOT's <i>Standard Specifications</i> related to the stormwater program, and</li> <li>e) procedures for inspecting and maintaining PWQFs.</li> </ul> <p>By <b>January 31, 2018</b>, CDOT shall provide the EPA and CDPHE with a list of personnel with MS4 responsibilities who have and have not received the training.</p>	<p><b>Status:</b> <b>Development 100% Complete as Required;</b> General MS4 Program training is ongoing and it is reaching more CDOT staff than what was identified as required. Tailored MS4 training is currently being given at CDOT Resident Engineer meetings across the State.</p> <p><b>Actions:</b>  The training materials as discussed with EPA in the May 9, 2017 meeting and submitted on May 12, 2017, have been completed on schedule. The list of training attendees and those that still require training, as requested from the AOC #66, is included in <b>Attachment B_AOC Item 66_Training Sheet</b>.</p> <p>The training development mentioned in the May 9, 2017 meeting included 5 classes:</p> <ol style="list-style-type: none"> <li>1) MS4 Permit Programmatic Training development as <u>required (by EPA Audit)</u> - was <u>completed</u> as promised by <b>July 2017</b> and was made available to the Region Water Pollution Control Managers on Google Drive for their use. This training (for water quality professionals) has been tailored for specific audiences since then including general environmental professionals and for design and construction engineers. All of these modified trainings <u>include, at a minimum, the 5 items listed (#a-e) in the AOC para #66</u>. Some non-mandatory names are included in the class rosters in Attachment B because all staff are encouraged to take the training, even though they are not required to.</li> <li>2) SWMP Preparer Class – This design class was <u>completed</u> and delivered by June 2017, which was before the <b>September 2017</b> deadline. This class continues to be scheduled for CDOT and non-CDOT personnel. The mandatory staff include all staff that will be preparing SWMPs and in many cases a consultant prepares the SWMPs, so this is a very fluid number that is difficult to find.</li> <li>3) SWMP Reviewer Class - this <u>non-required, but considered a safeguard</u>, training class <u>has been added to the SWMP Preparer class in the form of a checklist</u> that was developed in March 2017 for the MS4 Construction Manual. We will monitor the performance of this approach and determine if the class is actually needed. The mandatory staff include all environmental staff that will be “clearing” projects prior to advertisement.</li> </ol>

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<b>EPA Administrative Order on Consent Order Action Requirements</b>	<b>CDOT Actions Completed January 31, 2018</b>
	<p>4) PWQ Maintenance Certification Training – CDOT Specific – although this <u>non-required, but considered a safeguard</u>, training class was planned on being developed late next year, this training development has already been <u>completed</u> and delivered in Nov 2017. With the rollout of CDOT's new “GeoE” maintenance tracking app, and the funding for the deep cleaning maintenance of the PWQFs CDOT received this year, this training was moved ahead of schedule (this safeguard addresses 1ND, 2ND, and 3ND). This training also specifically addresses paragraph 66.e).</p> <p>5) PWQ Drainage Design Review Certification - this <u>non-required, but considered a safeguard</u>, training class is <u>planned for development</u> in FY18/19. PWQ Design is <u>reviewed on a project-by-project basis</u> until this training is complete (this safeguard addresses 3ND).</p> <p>6) Other CDOT MS4 program specific training classes have been updated to include items listed in 66 a) - e). Those classes, as discussed in earlier submittals to EPA, include: a) the Transportation Erosion Control Supervisor (TECS) class for erosion/sediment control supervisors on construction sites (addresses findings 1PM and 5 CS) and b) specific maintenance and pollution prevention/good housekeeping training given at CDOT's Maintenance Training Academy (MTA) that is required for all maintenance staff and during Facility Runoff Control Plan (FRCP) inspections (this addresses 1PP and 2PP). The attendee numbers are included in the summary tab in <b>Attachment B</b>.</p> <p><b>Next Steps:</b>  Complete video link or online training development to increase access for staff who have not yet taken training. Training on general MS4 for Resident Engineers began in January 2018 and will continue into March 2018 in all regions at the Area Engineer's Residency visits. This training will also be delivered to attendees of the 2018 Transportation and Environmental Professionals Training on March 6 and 7, 2018. The required MS4 training will be tracked in CDOT's Learning Management System and will be included as mandatory for those identified in this list. When they have not taken the class by an established deadline, their supervisors are automatically notified of their non-performance and follow up will occur by CDOT's management.</p>
67. By <b>July 1, 2018</b> , CDOT shall develop a self-audit and corrective action program to ensure that the Construction Site Program is	<p><b>Status:</b> <b>20% Complete (not yet due)</b></p> <p><b>Actions:</b></p>

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<b>EPA Administrative Order on Consent Order Action Requirements</b>	<b>CDOT Actions Completed January 31, 2018</b>
<p>consistently implemented throughout each of its Regions. By <b>July 1, 2019</b>, CDOT shall complete the self-audits of each of its Regions in the Construction Site Program. By <b>January 31, 2020</b>, CDOT shall provide a report of the self-audit and corrective action program findings to the EPA and CDPHE.</p>	<p>Preliminary discussions about self-audits and corrective action plan program for the Construction Sites Program are occurring with regional staff. Although not required, 3<sup>rd</sup> party audits (conducted by CDOT's independent Audit Department) are also being organized to provide additional credibility and accountability.</p> <p><b><u>Next Steps:</u></b> Continue planning and developing the self-audit process in time for the July 1, 2018 and July 1, 2019 deadlines.</p>
<p>68. By <b>July 1, 2018</b>, CDOT shall develop a self-audit and corrective action program to ensure that the Post-Construction / New Development / Redevelopment [aka 2015 MS4 Permit Permanent Water Quality – PWQ] Program is consistently implemented throughout its Regions. By <b>July 1, 2019</b>, CDOT shall complete the self-audits of each of its Regions in the Post-Construction / New Development/ Redevelopment Program. By <b>January 31, 2020</b>, CDOT shall provide a report of the self-audit and corrective action program findings to the EPA and CDPHE.</p>	<p><b>Status:</b> <b>10% Complete (not yet due)</b></p> <p><b>Actions:</b> Preliminary discussions about self-audits and corrective action plan program for the Permanent Water Quality Program are occurring with regional staff. Although not required, 3<sup>rd</sup> party audits (conducted by CDOT's independent Audit Department) are also being organized to provide additional credibility and accountability.</p> <p><b><u>Next Steps:</u></b> Continue planning and developing the self-audit process in time for the July 1, 2018 and July 1, 2019 deadlines.</p>
<p>69. By <b>July 1, 2018</b>, CDOT shall complete an evaluation of Design-Build improvement ideas for MS4 compliance and include any appropriate compliance improvements in the MS4 Construction Site Program. By <b>September 1, 2018</b>, CDOT shall update its MS4 Construction Site Program with the evaluation of the appropriate Design-Build improvement ideas for MS4 compliance and provide a written copy to the EPA and CDPHE. Thereafter, CDOT shall implement the Construction Sites Program to ensure CDOT requires contractors implement the requirements listed in the 2015 Permit.</p>	<p><b>Status:</b> <b>25% Complete (not yet due)</b></p> <p><b>Actions:</b> CDOT Environmental Programs Branch has been involved in a committee that is in charge of updating CDOT's Design Build Manual and Design Build templates. New language has been added for the implementation of and escalation of noncompliance on the PWQ and Construction Sites Programs and the 2015 MS4 Permit requirements.</p> <p><b><u>Next Steps:</u></b> CDOT will continue to refine this guidance in accordance with the AOC #69 requirements.</p>

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<b>EPA Administrative Order on Consent Order Action Requirements</b>	<b>CDOT Actions Completed January 31, 2018</b>
<p>70. CDOT shall follow its <i>Standard Specifications</i> procedure for construction sites by issuing and collecting liquidated damages for corrective actions that are not completed within 48 hours from the date of the notification to correct the failure. By <b>January 31, 2018</b>, CDOT shall provide the EPA and CDPHE a list of all violations that were not corrected within 48 hours from the date of the notification to correct the failure, and any measure CDOT undertook to address them (e.g., liquidated damages, stop work orders) for the year 2017.</p> <p>By <b>January 31, 2019</b>, CDOT shall provide the EPA and CDPHE a list of all violations that were not corrected within 48 hours from the date of the notification to correct the failure and any measures CDOT undertook to address them (e.g., liquidated damages, stop work orders) for the year 2018. The 2017 and 2018 lists shall also describe any violations that were not corrected within 48 hours and that did not receive a stop work order or issuance and collection of liquidation damages.</p>	<p><b>Status:</b> 100% Complete as Required (some measures not yet due)</p> <p><b>Actions:</b>  CDOT has an electronic tracking system (ESCAN) for tracking the response to findings as directed by the Standard Specifications. Additionally, some of these liquidated damages can occur outside of the ESCAN system so interviews with project engineers will complete the story regarding what occurred on a project. These inspections, findings, and results of these findings including any escalations required for compliance are listed in <a href="#">Attachment C_AOC Item 70_Audit Violations</a>.</p> <ol style="list-style-type: none"> <li>1) Please note that out of the hundreds of Routine Audits conducted by CDOT for the year of 2017, 15 projects within our MS4 exceeded the 48-hour period, which would require a regulatory response through Specification 208.09. CDOT has taken a proactive approach to encourage contractors and Project Engineers to correct all findings within the 48-hour window prior to a 208.09 response. Please note that this data should reflect our proactive approach correcting all findings from a Routine Audit immediately.</li> <li>2) CDOT is updating Specification 208.09 (see response on Line item #71) for reporting year 2018, which will change the reporting metrics noted on the current line item.</li> </ol> <p><b>Next Steps:</b>  The 48-hour measure may change in the Standard Specifications (spring 2018) because of actions needed to address the AOC item #71 below. These changes will be decided by CDOT's Specifications Committee and the Chief Engineer/Director of Stormwater Compliance. This change, and its performance as indicated in this AOC item, will be outlined in the January 31, 2019 deliverable. CDOT will stay in compliance with all water quality revisions to the specifications.</p>
<p>71. By <b>January 31, 2018</b>, CDOT shall provide the EPA and CDPHE with a written update of its Construction Site Program. The update will include: (1) an escalation process to address chronic noncompliance by contractors, and (2) a mechanism to track chronic noncompliance by contractors.</p>	<p><b>Status:</b> 100% Complete as Required (some measures not yet due)</p> <p><b>Actions:</b> See <a href="#">Attachment D_AOC Item 71_Construction Sites Program Update</a> for additional information about the responses below.</p> <ol style="list-style-type: none"> <li>1) <u>To address the escalation process for chronic noncompliance by contractors</u> <ol style="list-style-type: none"> <li>a) To date, suggested revisions to Specification 208.09, Failure to Perform Erosion Control, to address chronic noncompliance by contractors have been made and includes an escalation process to address chronic noncompliance, recalcitrant</li> </ol> </li> </ol>

**Table 1: Summary of EPA Administrative Order on Consent**  
**Current CDOT Actions Status**

<b>EPA Administrative Order on Consent Order Action Requirements</b>	<b>CDOT Actions Completed January 31, 2018</b>
<p>By <b>January 31, 2019</b>, CDOT shall provide the EPA and CDPHE with a list of chronic violators and measures it has taken to address chronic violations during 2018.</p> <p>By <b>January 31, 2020</b>, CDOT shall provide the EPA and CDPHE with a list of chronic violators and measures it has taken to address chronic violations during 2019.</p>	<p>violators and severe findings. Note that the revised 208.09 modifies the corrective action period from 48 hours to 7 calendar days, recognizing that the CDPS-SCP still requires corrections be “implemented as soon as possible, immediately in most cases”. The shift to a 7-day corrective action period is accompanied by a significant increase in disincentives and these disincentives are applied per individual finding, as opposed to one disincentive for all findings from one MS4 Construction Program routine audit. The shift to a 7-day corrective action period will modify the metric CDOT uses to report progress on AOC Item No. 70.</p> <p>b) These changes must go through an extensive review process in CDOT. So far 208.09 has been reviewed by:</p> <ul style="list-style-type: none"> <li>• the Specifications Unit (SSU)</li> <li>• CDOT's Project Development Advisory Committee (PDAC)</li> <li>• CDOT's Water Quality Advisory Committee (WQAC) (January 23, 2018)</li> <li>• and is on the agenda for the next Specification Committee meeting in March 2018.</li> </ul> <p>2) <u>To address tracking of chronic noncompliance by contractors</u>  CDOT is fast-tracking completion of ESCAN 2.0 which is the Department's internal software package used to track the MS4 Construction Program. This will track contractor and CDOT responses to issues of chronic non-compliance and others.</p> <p><b>Next Steps:</b> After 208.09 is approved and implemented and ESCAN is updated, HQ will track its effectiveness and report to Executive Management on a quarterly basis.</p>
<p>72. By <b>September 1, 2017</b>, CDOT shall update and maintain an accurate inventory of its PWQFs. By <b>January 31, 2018</b>, and <b>January 31, 2019</b>, CDOT shall provide a copy of the current inventory, along with a description of any new PWQFs added to the inventory, to the EPA and CDPHE.</p>	<p><b>Status:</b> <b>100% Complete as Required (some measures not yet due)</b></p> <p><b>Actions:</b>  The complete inventory of statewide Permanent Water Quality Features (PWQF) is provided in <b>Attachment E_AOC Items 72_Permanent Water Quality Inventory (old and new)</b> lists new PWQFs established since CDOT's report to the EPA on May 9, 2017. There are now 843 PWQF in our inventory, which is 156 more PWQF from when we met in May 2017. Some were due to items added in this past year, and some were from past projects not yet included in the inventory.</p>

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<b>EPA Administrative Order on Consent Order Action Requirements</b>	<b>CDOT Actions Completed January 31, 2018</b>
	<p><b>Next Steps:</b>            Continue to update and monitor the PWQF inventory in CDOT's current work order tracking system (SAP) and add new inventory when it is installed. Identify information in Attachment E that is marked TBD when GeoE and SAP are linked.</p>
<p>73. By <b>September 1, 2017</b>, CDOT shall develop a procedure to ensure long-term maintenance of CDOT's PWQFs, including those that are covered under IGAs other similar agreements with municipalities. By <b>September 1, 2017</b>, CDOT shall provide a written procedure to the EPA and CDPHE describing:</p> <ul style="list-style-type: none"> <li>a. How inspection findings are communicated to maintenance personnel;</li> <li>b. How maintenance work activities are generated and tracked;</li> <li>c. How CDOT will keep an accurate inventory of PWQFs covered by an IGA and therefore are to be maintained by the municipality;</li> <li>d. How CDOT will transmit the information from routine inspection of PWQFs to the municipality; and</li> <li>e. How CDOT will verify the maintenance needs transmitted to the municipality are accomplished.</li> </ul>	<p><b>Status:</b> 100% Complete as Required</p> <p><b>Actions:</b>            CDOT delivered the <u>Permanent Water Quality SOP – Inventory, Communicating and Tracking Maintenance</u> to EPA on September 1, 2017. CDOT's upcoming conversion (anticipated summer 2018) to a new electronic work order tracking system, GeoE, will require revisions in the SOP. These revisions will clarify communication and job roles between CDOT's PWQF program, CDOT Maintenance and contractors in relation to:           <ol style="list-style-type: none"> <li>1) PWQF Inspection Types (Initial Diagnostic, Compliance, Routine and Eyes-On Inspections) and respective Maintenance duties.</li> <li>2) Scheduling maintenance when an inspection report, or other inspection notice, is received by Maintenance or contractors.</li> <li>3) Inclusion of this SOP in the revised Manual of Maintenance Procedures Section 17.4.9, Permanent Water Quality Control Measures.</li> <li>4) PWQFs that have IGAs will be included in CDOT's routine inspections by the region water pollution control managers, or their designees, to verify maintenance work is done in accordance with CDOT's MS4 Permit requirements.</li> </ol> <p><b>Next Steps:</b>            Revise the SOP to address items 1, 2 and 3 when GeoE is online.</p> </p>
<p>74. No later than the date CDOT submits the procedure described in paragraph 73 above (<b>September 1, 2017</b>), to the EPA and CDPHE, CDOT shall implement that procedure. CDOT shall inspect all functional elements of control measures at a frequency it determines; however, it shall inspect each control measure</p>	<p><b>Status:</b> 100% Complete as Required (some measures not yet due)</p> <p><b>Actions:</b>            Conversion to GeoE, the new electronic work order tracking system, is anticipated to occur in summer 2018. Following the conversion, the revisions to the <u>Permanent Water Quality SOP –Inventory, Communicating and Tracking Maintenance</u> will be made. Meanwhile, CDOT has been inspecting and maintaining PWQF in 2017 and has provided a list with</p>

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<p>at least once during the 2015 Permit term. CDOT shall maintain all control measures requiring routine maintenance as necessary to meet the control measure requirements in the 2015 Permit as soon as possible, but not later than six months from the inspection finding. No later than <b>January 31, 2018</b>, and <b>January 31, 2019</b>, respectively, CDOT shall provide the EPA and CDPHE with a written summary report of all inspections and maintenance of PWQFs for the calendar years 2017 and 2018. For each PWQF CDOT has inspected during the relevant year, the summary report to the EPA shall provide CDOT's PWQF tracking number, a short description of the PWQF, the PWQF's latitude and longitude, the date of CDOT's inspection, the date of CDOT's maintenance, a summary of inspection findings including maintenance needs and/or a summary of the maintenance activities, and whether the PWQF is being maintained by CDOT or, under an IGA or similar agreement, a municipality.</p>	<p>details of these actions in <a href="#">Attachment F_AOC Item 74_PWQ Inspections</a>. Regions 1 and 2 are represented in the attachment because the other Regions are currently coordinating with CDOT Headquarters to schedule inspections during the Permit term.</p> <p><b>Next Steps:</b>  Revise and implement the SOP after GeoE is online. Continue to inspect PWQF maintenance needs and activities so that all are completed by the end of CDOT's MS4 Permit term (July 2020).</p>
<p>75. By <b>January 31, 2018</b>, CDOT shall submit an itemized list of all costs incurred or estimated to be incurred to implement the corrective actions listed in the Inspection Report and actions specified in paragraphs 64 through 74, above. The itemized list of costs shall include at a minimum:</p> <ul style="list-style-type: none"> <li>a. the cost of any full-time equivalent (FTE) staff added to CDOT's budget to comply with this Consent Order and implement the corrective actions listed in the Inspection Report;</li> <li>b. the cost of contractor support in order to comply with this Consent Order and implement</li> </ul>	<p><b>Status:</b> <b>100% Complete as Required</b></p> <p><b>Actions:</b>  CDOT conducted many actions because of EPA's 2015 inspection report. These, and any other actions necessary to be in compliance with CDOT's 2015 MS4 Permit, as well as those requested in this AOC, have been listed in <a href="#">Attachment A - which also covers AOC Items 64 and 65</a>.</p> <p><b>Next Steps:</b>  CDOT will continue to track costs and estimate future budgetary needs. This tracking should improve when the new electronic work tracking system, GeoE, is installed in summer 2018 for maintenance activities.</p>

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<b>EPA Administrative Order on Consent Order Action Requirements</b>	<b>CDOT Actions Completed January 31, 2018</b>
<p>the corrective actions listed in the Inspection Report; and</p> <p>c. any other itemized costs incurred to implement the corrective actions listed in the Inspection Report and the actions specified in paragraphs 64 through 74, above.</p>	

**Attachment A\_AOC Items 64\_65\_75. Resource Assessment Summary (MS4 Program) - By Dec 31, 2017**

CDOT Water Quality Program Expenditures and Resource Assessment Gap Analysis

MS4 Program Item	Estimated Annual Expenditures prior to 2015 Audit (1)	Expenditures or One Time Added Funds Acquired since 2015 Audit forward (2)		Future Committed Resources over Column (2) Average Annual Expenditures (yearly or 1 time) (3)	Uncommitted Gap Resource Needs	Notes: (see footnote for explanation)					
		Staff FTEs	Other Budget Items			Staff FTEs	Average Annual Expenditures (during 2.5 year period) and planned for going forward	Other One-Time Budget Items during this 2.5 years	Staff FTEs	Other Near-Term one-time Budgets Committed to in addition to the Avg. Annual Expenditure following the Audit (except as noted)	Gap \$
<b>PWQ Program</b>											
PWQ Mitigation including Pool Fund for PWQF installation	0*	\$6,500,000	0*	\$6,500,000	\$5,000	0*	\$0	\$0	0*	(1) Averaged about \$6.5M/yr which was used to established column (2) (2) A reliable budget of \$6.5M which is now a budget item automatically allocated every year per CDOT's 2015 MS4 Permit for PWQF installation instead of pulling from project budgets. Plus \$5,000 for consultant support during a temporary staffing shortage. The committee involves several CDOT staff but this will be covered under general staffing support below. (3) No additional funds are required. Staffing covered by existing staff, and supplemented by contractor support as needed.	
PWQF Inventory Completed	0*	\$150,000	0*	\$55,000	\$43,850	0*	\$0	\$0	0*	(1) \$50,000 to map Stormwater area treated by PWQF, and \$100,000 to create a long range planning tool for PWQ installation partnering and strategy (both SPR funds). Inventory tracked in Excel spreadsheets had been happening for a few years but was incomplete. (2) After Audit: Some funds were averaged annually such as that to hire interns (\$30K) + \$25,000/yr was allocated for mapping of the PWQ facilities (SPR funds). Under the one-time costs, \$30,000 was added using SPR dollars to purchase GPS equipment. R2 also hired consultants to help verify their PWQ inventory at \$13,850. Water Quality staffing covered by existing staff, and was supplemented by other support as needed and are covered under the General MS4 Program Budgets and Staffing below. PWQF Inventory is now complete and data is verified as accurate. (3) Staff will continue to update the PWQF inventory to support maintenance tracking. At a minimum, this inventory will be updated for each MS4 Permit required annual report. At this time, no additional resources are considered necessary to have a complete PWQF inventory although improvements to the database will continue to be added with HQ intern support (\$30K) and with other mapping support as needed as covered by the General MS4 Program Budgets and Staffing below.	

MS4 Program Item	Estimated Annual Expenditures prior to 2015 Audit (1)		Expenditures or One Time Added Funds Acquired since 2015 Audit forward (2)			Future Committed Resources over Column (2) Average Annual Expenditures (yearly or 1 time) (3)		Uncommitted Gap Resource Needs		Notes: (see footnote for explanation)
Deep-Cleaning (one time) extra PWQF maintenance - Contractor	NA	NA	1.25	NA	\$3,350,000.00	0* \$3,350,000.00	\$0	0	<p>(1) This deep-cleaning effort was addressed after the audit so this "deep-cleaning" maintenance concept is new since the audit. This idea was to bring up to standards all PWQF, including the ones that had previously been missing in the PWQF inventory.</p> <p>(2) CDOT has received the first half of the \$6.7 million for this "deep-cleaning" effort of the PWQFs (\$3,350,000). CDOT has been strategizing how this work will be accomplished - it was decided to contract all of this work out and CDOT is trying a super-efficient Job Order Contract as a pilot in Region 2. The request for proposal is already on the street for bid. The staffing support showed here is a combination of maintenance, management, and contracting support to make this happen and totals to about 1/4 of an FTE. CDOT Maintenance has posted a contract manager position (at an Administrator IV level) for managing PWQF contracts and interviewed the first round of candidates 1/11/18. The rest of the regions' contracts will soon follow (expected to mostly be needed in R1 and R4 since R3 and R5 have all of their PWQF maintained by local agencies) - all maintenance work on all PWQF will be completed before the end of the MS4 Permit term (July 2020).</p> <p>Per AOC #65, CDOT will allocate adequate funding to conduct these deep-cleaning maintenance activities in the regions, but this work will be managed through a HQ Maintenance contract so the funding will reside in this contract. CDOT region staff will be involved in the assessment and approval of the work.</p> <p>(3) Already, the second \$3.35M has a funding commitment from the Transportation Commission for funding in July 2018. It is expected that routine maintenance will be easier to accomplish once all of these PWQF have been brought back to near-new condition. Therefore, any further deep cleaning will be on an as-needed basis but is expected to be minimal.</p>	

MS4 Program Item	Estimated Annual Expenditures prior to 2015 Audit (1)		Expenditures or One Time Added Funds Acquired since 2015 Audit forward (2)			Future Committed Resources over Column (2) Average Annual Expenditures (yearly or 1 time) (3)		Uncommitted Gap Resource Needs		Notes: (see footnote for explanation)
Routine PWQF Maintenance	5	\$150,000	7	\$258,800	\$0	0.5*	\$302,200	\$0	0*	<p>(1) This pre-audit expenditure is likely underestimated due to the inconsistent way of tracking maintenance work orders in the past. The number of maintenance staff maintaining PWQFs is estimated for the 3 regions with PWQF maintenance responsibilities: R1 = 14, R2 = 5, &amp; R4 = 3 (and not full time for this work so estimated at 5 full time FTEs), these numbers are relative to the number of PWQF in those regions.</p> <p>(2) This post-audit expenditure is still likely to be underestimated, although the tracking of PWQF maintenance by work orders was much better than before the audit. These are costs from the 3 regions with CDOT maintained PWQF. These costs are \$118,000, \$62,000, and \$78,800/yr. This amount covers a "maintenance visit" for 1/4 to 1/3 of the facilities in the regions per year. This does not include local agency funds.</p> <p>(3) CDOT is considering contracting out routine maintenance as well - the FTE for deep-cleaning maintenance above would continue to support this effort and maintenance staff experienced in this would continue to provide emergency or as-needed support. Even with using current allocated maintenance budget to cover this effort, CDOT may need approximately \$300K of additional funds, if annual maintenance is required on every PWQF - this is likely the worse case scenario. CDOT will reallocate funds to this effort for routine maintenance and if there are emergencies, funds will likely come from other current maintenance budgets or the Transportation Commission, which has contingency funds to allocate for emergencies. The contingency funds can be used to: a) Cover the rest of the contracting costs, plus b) cover emergency response costs for flooding during storm events by CDOT crews estimated here at \$30,000 for the state. Local agency maintenance is covered by their budgets. Total needed, if routine PWQF Maintenance is conducted annually, is: R1 - \$330,000; R2 - \$185,000; R3 - \$0 (except for emergency needs); R4 - \$16,000; and R5 -\$0 (except for emergency needs). Maintenance staff that are certified in PWQF Inspection will verify that the contractor has completed the work they are scheduled to do. The time required is estimated to be 2.5 days for every 10 sites (for approximately 500 sites that are CDOT maintained).</p>

MS4 Program Item	Estimated Annual Expenditures prior to 2015 Audit (1)		Expenditures or One Time Added Funds Acquired since 2015 Audit forward (2)			Future Committed Resources over Column (2) Average Annual Expenditures (yearly or 1 time) (3)		Uncommitted Gap Resource Needs		Notes: (see footnote for explanation)
Diagnostic (Deep-Cleaning)/Routine PWQF Inspection	1.5	\$0	1.5	\$43,850	\$0	0*	\$90,000	\$0	0*	<p>(1) These inspections were conducted through a combination of maintenance staff (shown as 1 for R1, and 1/4 for R2 and R4 each) and water quality (WQ) staff* (included under General WQ below) as requested by maintenance, or for "compliance" inspections that are "once-per-permit-term" prior to the audit.</p> <p>(2) After the audit, inspections by WQ staff were conducted: a) to address those PWQF findings identified by EPA, b) to price expected maintenance costs by PWQF type in order to address AOC #64 and 65 (\$30K for intern support), c) as requested by regions to support on-going PWQF maintenance work, d) to help verify and correct coordinate/locational issues within the database. The inspections were prioritized to start in Region 2 to support a deep-cleaning maintenance contract pilot (\$13,850 for R2 consultant support). Maintenance staff continued to inspect and do maintenance work on PWQF during this time.</p> <p>(3) Going forward, initial inspections prior to contracting work will be accomplished by region WQ staff or their consultant (estimated at \$50K/region state RPP funds for consultant support and \$40K from HQ for intern support) and will include inspections of the local agency-maintained PWQF to ensure these are being managed appropriately (the commitment of the estimated necessary financial resources to do this at the region level was confirmed in the RTD meeting on Jan. 16, 2018). HQ WQ staff or their designee will conduct "compliance" inspections of "once per permit term" for all PWQF and can double for some of these contracting inspections. Maintenance staff will also inspect and support emergency PWQF maintenance during storm events. The PWQ program communication SOP is being updated with CDOT's new GoeE Linear Asset Management System that relays inspection findings to the appropriate people to address.</p> <p>The staffing going forward has changed to be entirely water quality specialists and is covered under General WQ budgets below except as noted for consultants here).</p>
Linear Asset Management System development called GoeE	NA	NA	0*	NA	\$250,000	0*	\$0	\$0	0	<p>(1) NA</p> <p>(2) Tracking maintenance costs was identified as needing improvement. PWQF Asset Management accounts for 12% of this total cost (over \$2M), with this being applied to other assets as well.</p> <p>(3) Refinements to this system continue with this existing funding. Future improvements are expected once this system has been in place for a year or two.</p>

MS4 Program Item	Estimated Annual Expenditures prior to 2015 Audit (1)	Expenditures or One Time Added Funds Acquired since 2015 Audit forward (2)	Future Committed Resources over Column (2) Average Annual Expenditures (yearly or 1 time) (3)	Uncommitted Gap Resource Needs	Notes: (see footnote for explanation)
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**MS4 Construction Sites Program**

Inspection/Oversight	0*	\$0	0*	\$0	\$289,500	0*	\$72,000	\$0	0*	(1) This is a major time commitment from WQ Staff - there is at least 1 MS4 Construction Sites Program staff in each of the 5 regions and 1 at HQ. This is counted in the "General MS4 Program Budgets and Staffing" below. (2) More resources were added to Inspection/Oversight following the audit. R3 added a consultant (former CDOT WQ staff assumed at \$60K), R4 added a position (listed under "General MS4 Program Budgets and Staffing", and R5 used an Intern during the summer (assumed at \$12K). Other resources added from SPR funds include \$90K for updating the Erosion Control Pocket Guide, \$75K for the SWMP Preparers Class, and \$52.5K for ESCAN Updates (CDOT's electronic inspection tracking software). (3) The added resources will continue as well as HQ reassigning a previous WQ office staff to the field to support this work. Additional consultant help from HQ is covered below under "General MS4 Program Budgets and Staffing". The <a href="#">RTDs committed to continue supporting the region resource needs to hire consultants/interns</a> in the January 16, 2018 meeting. The amount in this column is an estimate from past expenditures.
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MS4 Program Item	Estimated Annual Expenditures prior to 2015 Audit (1)	Expenditures or One Time Added Funds Acquired since 2015 Audit forward (2)	Future Committed Resources over Column (2) Average Annual Expenditures (yearly or 1 time) (3)	Uncommitted Gap Resource Needs	Notes: (see footnote for explanation)
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**Pollution Prevention/Good Housekeeping  
(Facility Runoff Control Plans)**

Inspections - Monthly	7.15	\$0	7.15	\$0	\$0	0	\$0	\$0	0	<p>(1) Done by current Maintenance staff as trained in the Maintenance Training Academy (MTA). For 48 Maintenance yards in MS4, there are 91 auditors and 58 administrators in maintenance to support this effort - this is not a full time job and is assumed to be an average of a day for each person per month = 7.15 full time FTEs.</p> <p>(2) Done by current Maintenance staff as trained in the MTA as modified since the audit, and on-site training of staff as needed. These job classifications are now TMs and LtcOps but are the same people as before.</p> <p>(3) Done by current Maintenance staff as trained in the MTA and Onsite going forward. Requirements are being added to also inspect and maintain asphalt and concrete surfaces to minimize future maintenance costs.</p>
Inspections - Annually	0*	\$0	0*	\$0	\$0	0*	\$0	\$0	0	<p>(1) Done by EPB staff - 0.5 of an FTE and region WPCM when available</p> <p>(2) Done by EPB staff - 0.5 of an FTE and region WPCM when available</p> <p>(3) Done by EPB staff - 0.5 of an FTE and region WPCM when available</p> <p>* There may, or may not be a region WQ staff in attendance at any time.</p>
Typical annual Pollution Prevention/Good Housekeeping (PPGH) Expenditures	0**	\$323,000	0**	\$366,200	\$0	0**	\$40,000	\$0	0	<p>(1) In CY 2015, it was difficult to track expenditures because often times work was included in other work items and not separated out. The tracked expenditures for CY 2015 in MS4 statewide were \$323K. Because of how expenditures are tracked for maintenance activities, we do not have an average spent per year prior to the audit so this is a surrogate number for that work.</p> <p>(2) This number represents 2.5 years of expenditures since the audit and are averaged as follows: 1/2 of 2015 (\$161.5K) plus 2016 (\$346K) was an improvement in tracking, over 2015, plus 2017 (\$408K) that was better even than 2016. To total \$915,500 during the time following the audit until present/2.5 yrs = \$366,200/yr. The improved tracking of data and addressing the required work can be attributed to the Maintenance Training Academy (MTA) curricula regarding implementation of Facility Runoff Control Plan (FRCP) monthly and annual inspections.</p> <p>(3) This funding amount assumes that if added to the average annual expenditures column an extra \$40K will bring the \$366K up to 2017 expenditure levels. The findings fixes going forward will continue to be financed out of the maintenance budget (will use 2017 numbers as an estimate of future costs); a new approach of crack-sealing pavement on the maintenance yards before they become significantly damaged will keep the annual maintenance costs within these budgets. The next category in this table are expenditures that have become necessary when pavement and drainage repairs are not attended to in a timely manner.</p> <p>**Staffing numbers are assumed to be the same folks above that attend to the monthly inspections, or specialists in the regions called in for a task.</p>

MS4 Program Item	Estimated Annual Expenditures prior to 2015 Audit (1)		Expenditures or One Time Added Funds Acquired since 2015 Audit forward (2)			Future Committed Resources over Column (2) Average Annual Expenditures (yearly or 1 time) (3)		Uncommitted Gap Resource Needs		Notes: (see footnote for explanation)
Needed Repairs - One time, from Facility Runoff Control Plan (FRCP) inspection findings	NA	NA	4	NA	\$4,200,000	8.25	\$0	\$0	0	<p>(1) NA</p> <p>(2) These repairs were identified during the Facility Runoff Control Plan (FRCP) annual inspections as additional resources needed. A funding justification was taken to the Transportation Commission who approved \$4.2M for this work. This is being managed out of Maintenance (2 staff) with Property Management (2 staff) and WQ staff support (*WQ staff support is covered below under "General MS4 Program Budgets and Staffing"). Funds will be given to the regions on a cost-reimbursable basis, or as "materials provided".</p> <p>(3) Maintenance estimates for work to be accomplished by CDOT maintenance staff are underway and could include regional crews (rough estimate at around 165 part time support = assume 2.5 weeks per person and that comes out to 8 1/4 full time FTE). Work over \$150K will be phased between fiscal years.</p> <p>Work needed going forward will be included in the annual budgets for the maintenance yards or as requested from the statewide maintenance budgets. It is expected that with routine surface treatment maintenance, these needs should not be as costly going forward. Staffing should not be required to be added to support this effort. This is covered above under "Typical Annual PPGH Expenditures".</p>
WQ solar distillation pilot to improve water quality at CDOT facilities or construction projects	NA	NA	3	NA	\$100,000	0	\$0	\$0	0	<p>(1) NA - With the change in regulations restricting the "injection" water quality to leach fields, CDOT continued to look for ways to solve the issue of dirty discharges from remote maintenance yards that were on leach field systems. Although not in MS4 areas, this research might also address those that are in MS4.</p> <p>(2) CDOT Property Management (3 staff) worked with some innovative engineers to design a solar powered distillation system to help clean the oily/salty water from maintenance facility drains. What a surprise we found! The system cleans better than reverse osmosis, is energy efficient, and is portable so it can be used on construction projects that have contaminated water from dewatering (e.g., like for arsenic contaminations found on an I25/Santa Fe project). Amazing! We also piloted this on naturally occurring radioactive groundwater that was found in one of CDOT's maintenance yard wells and it works!</p> <p>(3) This system has a variety of costs, depending on where you want to put them - right now, these are not needed in MS4 so the expenditure is labeled as \$0. But you can get a system for \$70K that will last 10 years, plus you can pay for a monthly maintenance fee to make it worry free.</p>

MS4 Program Item	Estimated Annual Expenditures prior to 2015 Audit (1)	Expenditures or One Time Added Funds Acquired since 2015 Audit forward (2)	Future Committed Resources over Column (2) Average Annual Expenditures (yearly or 1 time) (3)	Uncommitted Gap Resource Needs	Notes: (see footnote for explanation)
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**General MS4 Program Budgets and Staffing (General WQ Support)**

Resources spent supporting and responding to the EPA Audit <b>(Not added to table totals</b> since this was part of the MS4 Permit compliance and would entail double counting in some cases)	1.2 FTEs	\$96,000 for 2400 hrs staff time to prep for audit	5 FTEs	NA	\$402,000 for 10,050 hrs to respond to audit findings; plus \$10,000 for Maintenance responses Plus \$90,000 for construction program changes and tracking these in ESCAN.	3 FTEs	\$244,000 for 6100 hrs to complete the deliverables in the AOC	\$0	0	(1) This was for preparing for the EPA audit. There were a lot of data requests prior to the week of the audit. The water quality and other staff spent about 1500 hrs just pulling together data for the audit. There were also informational briefings and the engineering and maintenance attendees to these briefings were not tracked but is estimated about 300 people for 3 hrs at 900 hrs for a grand total of 2400 hrs of staff time. CDOT Audit estimated the load rate for an average hourly rate is \$40/hr - this is the budget that is submitted here \$96,000 that represents staff hours spent. (2) Other staff besides the WQ staff were involved with the EPA audit support and response including a lot of management time from the top down(estimated time). Maintenance was also involved and not everyone tracked their time in SAP so some is estimated. Trainings and the Construction Task Force also had non-WQ folks that did not track time. The WQ staff tracked 6000 hrs in response to the audit. Estimated another 4050 for other non-WQ staff support in management, maintenance, and engineering. These are probably underestimated. So a total of 6000 + 4050 = 10,050 hrs x \$40/hr load rate = \$402,000. Cost to handle PWQ and Maintenance Yard requirements, including the dye test, were \$10,000. Then needed to work out a statewide consistent approach through a task force to the construction program (facilitator \$40K) and needed to get specification changes and construction program changes into ESCAN (\$50K) = \$90K (3) Management time is still needed for resource support, and strategies that involve management decisions including the use of additional resources or a change in process. Deliverables in the AOC include completing the Design Build risk assessment and set up processes to minimize this, tracking and auditing construction and PWQF performance/maintenance, and implementing the funding programs for specific issues improved since the EPA audit. It is estimated that this might take and additional 6100 hrs * \$40/hr = \$244,000. This is just responding to AOC, it is not about implementing the MS4 Permit in general.
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MS4 Program Item	Estimated Annual Expenditures prior to 2015 Audit (1)		Expenditures or One Time Added Funds Acquired since 2015 Audit forward (2)			Future Committed Resources over Column (2) Average Annual Expenditures (yearly or 1 time) (3)		Uncommitted Gap Resource Needs		Notes: (see footnote for explanation)
<b>General WQ support</b> (including: Training development & delivery including BMP Training Facility/Temp Labor/ PWQ Inventory Inspection & Mapping/ Changes in Construction Specs/ ESCAN development/ Tool and Manual development/ Other WQ Needs and support)	18	\$600,000	24	\$600,000	\$900,000	0	\$0	\$0	0	<p>(1) This assumes HQ budget/yr commitment of \$600K that supports HQ Temp labor, training development &amp; delivery, program changes, PWQ inventory &amp; mapping, etc. FTEs: HQ: 7WQ + 2 Landscape Architects (LA), R1:2WQ + 1LA, R2: 1 WQ, R3: 1WQ + 1LA, R4: 1WQ, R5: 1WQ + the equivalent of 1 full time hydraulic engineer (3 at R1, 2 at R2, and 1 for the other 3 regions and 2 at HQ).</p> <p>(2) This assumes the ongoing HQ budget/yr commitment from the Transportation Commission of \$600K + The one time commitment includes the \$900,000 at HQ for program support to implement the 2015 MS4 Permit and EPA program changes required from the audit. FTEs: HQ: 7WQ + 3 Landscape Architects (LA), R1:4WQ + 1LA, R2: 1 WQ, R3: 1WQ + 1LA, R4: 2WQ, R5: 1WQ, + the equivalent of 1 full time hydraulic engineer (3 at R1, 2 at R2, and 1 for the other 3 regions and 2 at HQ). CDOT is in the process of adding an extra WQ staff to HQ in Feb (and repurposing an office WQ staff as a field WQ staff but not counted as added staff). R1 is adding a WQ/Environmental staff to their maintenance crew. And HQ Maintenance is adding an Environmental Manager (mentioned under PWQF maintenance) to help manage all this specialized water quality contract work. Also, the regions and HQ replaced all WQ staff that left CDOT. Usage of funds includes:  <ul style="list-style-type: none"> <li>- Training development and delivery including PWQF Inspection and Maintenance, SWMP preparer/reviewer, Transportation Erosion Control Supervisor, MS4 Program, focused trainings, etc.</li> <li>- ESCAN - Construction Inspection tracking tool updates</li> <li>- New Wet Weather Monitoring sampling equipment</li> </ul> 250+/yr Maintenance trained; and over 2700 non-maintenance trained since 2014</p> <p>(3) It is not expected that additional budget for WQ support is needed at the HQ level. Added consultants/interns at the regions would be supported by their regional directors (RTDs) and have been assessed under PWQ and Construction programs above, but this funding level will be assessed as the MS4 Program changes mature.</p>

MS4 Program Item	Estimated Annual Expenditures prior to 2015 Audit (1)	Expenditures or One Time Added Funds Acquired since 2015 Audit forward (2)	Future Committed Resources over Column (2) Average Annual Expenditures (yearly or 1 time) (3)	Uncommitted Gap Resource Needs	Notes: (see footnote for explanation)					
TOTAL	31.7	\$7,723,000	47.90	\$7,823,850	\$9,138,350	8.25	\$3,854,200	\$0	0	<p><b>Totals do not add the staff time in dollars spent for the EPA Audit support since this is also part of the program.</b></p> <p>(1) The general expenditure of \$7.7M occurred in the program prior to the EPA Audit. The staffing level was at about 32 staff.</p> <p>(2) Although the general expenditures for the typical re-occurring budgets did not increase much (a little more maintenance expenditure), there was an influx of funds to help address changes required due to the new MS4 Permit and the EPA audit requirements that overlapped. These additions amounted to \$9M in one-time funds to get back on track. Staffing was also increased to 48 to help handle the increased MS4 Permit requirements and increased expectations by EPA: some were in water quality, but many were in maintenance.</p> <p>(3) With the new program direction, especially for PWQF maintenance, there is an increase in maintenance staff expectations beyond what the WQ staff traditionally handled. Going forward, of the \$3.85M additional committed funds needed to run a compliant MS4 program, \$3.35M is a one-time cost. The rest of the expected committed funds are from a) the Executive Management for consultants (totaled here at \$162K for the state) assisting environmental staff maintain compliance with the MS4 Permit b) the maintenance budget of an additional \$40K for PPGH, and c) the maintenance budget of \$302K for PWQ maintenance, which may actually be less in the future since \$302K is our expected worse case scenario. <u>CDOT Executive Management and the RTDs are committed to support MS4 Program needs by using contractors going forward so this is not considered a Gap that will not be covered.</u></p> <p>Eight FTEs are being used for major maintenance yard repairs, and will drop back to their regular duties once this work is concluded.</p>

## Note Footnote:

(1), (2) and (3) represent the 3 main column explanations

Red underlined text explains the plan for getting the Gap resources

\* Is a note that Water Quality (WQ) staffing support for that item is covered under "General MS4 Program Budgets and Staffing" since these often include a fraction of a whole WQ position.

Attachment B\_AOC Item 66\_Training Sheet

Training Summary to address AOC #66 (see attached tabs with details)						
Certification / Training	Mandatory Names (see MS4 Mandatory Names Tab and SWMP Mandatory Names Tab)	Total Certified/ Trained	Total CDOT Certified/ Trained (includes non-mandatory names)	Total Non-CDOT Certified	Total Mandatory CDOT Trained (see MS4 Mandatory Names Tab and SWMP Mandatory Names Tab)	Mandatory Names that still need Training
MS4 Training	1305	378	377	1	128	1177
MS4 Environmental Training		316	316	0		
MS4 Engineer Training		51	50	1		
MS4 Construction Program Training		11	11	0		
SWMP Preparer Certifications	51	43	32	11	19	32
TOTAL	1356	421	409	12	147	1209

Specific MS4 Program Training to address Findings 1PM and 5CS				
Certification / Training	Total Certified/ Trained	Total CDOT Certified/ Trained	Total Non-CDOT Certified	Still need to take
TECS Certifications	1762	222	1540	N/A
PWQ Certifications	28	27	1	N/A
TOTAL	1790	249	1541	

Specific MS4 Program Training to address AOC lines 45-52 and Findings 1PP & 2PP				
Certification / Training	Total Certified/ Trained	Total CDOT Certified/ Trained	Total Non-CDOT Certified	Still need to take
MTA Training	418	418	0	529
FRCPs	423	423	0	14
TOTAL	841	841	0	543

## Attachment B\_AOC Item 66\_Training Sheet

CDOT Staff required to take MS4 Training

#N/A = not yet taken the training

Full Name	R1	R2	R3	R4	R5	HQ	Taken MS4	Taken MS4 Env.	Taken MS4	Total MS4
							Eng. Training	Training	Const. Training	
Aaron Adame		1					#N/A	#N/A	#N/A	0
Aaron Brown		1					#N/A	#N/A	#N/A	0
Aaron Eyl						1	#N/A	#N/A	#N/A	0
Abel Lucero		1					#N/A	#N/A	#N/A	0
Abra Geissler			1				#N/A	#N/A	#N/A	0
Adam Baer		1					#N/A	#N/A	#N/A	0
Adam Clark				1			#N/A	#N/A	#N/A	0
Adam Parks		1					#N/A	#N/A	#N/A	0
Adam Salazar		1					#N/A	#N/A	#N/A	0
Adnana Murtic			1				#N/A	#N/A	#N/A	0
Adrienne Staley			1				#N/A	Adrienne Staley	#N/A	1
Agustin Moreno						1	#N/A	#N/A	#N/A	0
Ajin Hu		1					#N/A	#N/A	#N/A	0
Alan Wagenknecht		1					#N/A	#N/A	#N/A	0
Alazar Tesfaye		1					#N/A	#N/A	#N/A	0
Albert Lake			1				#N/A	#N/A	#N/A	0
Albert Spaid				1			#N/A	#N/A	#N/A	0
Alex Duran		1					#N/A	#N/A	#N/A	0
Alex Edwards					1		#N/A	#N/A	#N/A	0
Alexander Bucher		1					#N/A	#N/A	#N/A	0
Alexandra Axley					1		#N/A	#N/A	#N/A	0
Alexandre Karami						1	#N/A	#N/A	#N/A	0
Alfonso Martinez						1	#N/A	#N/A	#N/A	0
Alfred Gross						1	#N/A	#N/A	#N/A	0
Alfredo Ramirez			1				#N/A	#N/A	#N/A	0
Alicia Clemons					1		#N/A	#N/A	#N/A	0
Alisa Babler						1	#N/A	#N/A	#N/A	0
Alison Michael						1	#N/A	Alison Michael	#N/A	1
Alison Van Wyk-Irwin		1					#N/A	Alison Van Wyk-Irwin	#N/A	1

Allan Winter		1	#N/A	#N/A	#N/A	◆	0
Allen Holstad		1	#N/A	#N/A	#N/A	◆	0
Allen Roys		1	#N/A	#N/A	#N/A	◆	0
Allen Wood		1	#N/A	#N/A	#N/A	◆	0
Allison Schaub-Dirosa	1		#N/A	#N/A	#N/A	◆	0
Allyson Mattson		1	#N/A	#N/A	#N/A	◆	0
Alvin Stamp		1	#N/A	#N/A	#N/A	◆	0
Amanda Mascarenas		1	#N/A	#N/A	#N/A	◆	0
Amanullah Mommandi		1	#N/A	#N/A	#N/A	◆	0
Amin Fakhimalizad		1	#N/A	#N/A	#N/A	◆	0
Andre Pelletier		1	#N/A	Andre Pelletier	#N/A	▲	1
Andrea Griner		1	#N/A	#N/A	#N/A	◆	0
Andrea Hebard	1		#N/A	#N/A	#N/A	◆	0
Andres Garcia	1		#N/A	#N/A	#N/A	◆	0
Andrew Brown		1	#N/A	#N/A	#N/A	◆	0
Andrew Doel		1	#N/A	#N/A	#N/A	◆	0
Andrew Huntley		1	#N/A	#N/A	#N/A	◆	0
Andrew Jones		1	#N/A	#N/A	#N/A	◆	0
Andrew Mangold		1	#N/A	#N/A	#N/A	◆	0
Andrew Pott		1	#N/A	#N/A	#N/A	◆	0
Andrew Stecklein	1		#N/A	#N/A	#N/A	◆	0
Andrew Stratton	1		#N/A	#N/A	#N/A	◆	0
Angel Mancha		1	#N/A	#N/A	#N/A	◆	0
Angelo Catalano		1	#N/A	#N/A	#N/A	◆	0
Angelo Trujillo	1		#N/A	#N/A	#N/A	◆	0
Anthony Anderson		1	#N/A	#N/A	#N/A	◆	0
Anthony Brown		1	#N/A	Anthony Brown	#N/A	▲	1
Anthony Cady		1	#N/A	#N/A	#N/A	◆	0
Anthony Chavez	1		#N/A	#N/A	#N/A	◆	0
Anthony Devito		1	#N/A	#N/A	#N/A	◆	0
Anthony Linn		1	#N/A	#N/A	#N/A	◆	0
Anthony Lobato	1		#N/A	#N/A	#N/A	◆	0
Anthony Meneghetti		1	#N/A	#N/A	#N/A	◆	0
Anthony Sanchez	1		#N/A	#N/A	#N/A	◆	0
Anthony Schweizer	1		#N/A	#N/A	#N/A	◆	0

Anthony Vallejos	1		#N/A	#N/A	#N/A	◆	0
Anthony Vigil		1	#N/A	#N/A	#N/A	◆	0
Anthony Villanueva	1		#N/A	#N/A	#N/A	◆	0
Anthony Vu		1	#N/A	#N/A	#N/A	◆	0
Anthony Wagoner		1	#N/A	#N/A	#N/A	◆	0
Anthony Walker	1		#N/A	#N/A	#N/A	◆	0
Anton Adame		1	#N/A	#N/A	#N/A	◆	0
Antonio Santovena	1		#N/A	#N/A	#N/A	◆	0
Araceli Loya	1		#N/A	#N/A	#N/A	◆	0
Arnell Stewart	1		#N/A	#N/A	#N/A	◆	0
Arnold Lopez		1	#N/A	#N/A	#N/A	◆	0
Aron Piedra	1		#N/A	#N/A	#N/A	◆	0
Arthur Delgado	1		#N/A	#N/A	#N/A	◆	0
Arthur Gonzales		1	#N/A	#N/A	#N/A	◆	0
Arthur Lacombe		1	#N/A	#N/A	#N/A	◆	0
Arturo Sifuentes	1		#N/A	#N/A	#N/A	◆	0
Austin Gilbert		1	#N/A	#N/A	#N/A	◆	0
Austin Singleton		1	#N/A	#N/A	#N/A	◆	0
Austin Yehl	1		#N/A	#N/A	#N/A	◆	0
Ayman Salloum	1		#N/A	Ayman Salloum	#N/A	▲	1
Azeb Seifu	1		#N/A	#N/A	#N/A	◆	0
Aziz Khan		1	#N/A	#N/A	#N/A	◆	0
Babaft Moore		1	#N/A	Babaft Moore	#N/A	▲	1
Barbara Desarro	1		#N/A	#N/A	#N/A	◆	0
Barbara Stocklin	1		#N/A	#N/A	#N/A	◆	0
Barry Yount		1	#N/A	#N/A	#N/A	◆	0
Basil Ryer	1		#N/A	Basil Ryer	#N/A	▲	1
Belinda Arbogast	1		#N/A	#N/A	#N/A	◆	0
Ben Miles		1	#N/A	#N/A	#N/A	◆	0
Benedict Raitano		1	#N/A	#N/A	#N/A	◆	0
Benjamin Acimovic	1		#N/A	#N/A	#N/A	◆	0
Benjamin Broeckert	1		#N/A	#N/A	#N/A	◆	0
Benjamin Davis	1		#N/A	#N/A	#N/A	◆	0
Benjamin Halstead	1		#N/A	#N/A	#N/A	◆	0
Benjamin Kepler	1		Benjamin Keplei	#N/A	#N/A	▲	1

Benjamin Kiene	1		#N/A	#N/A	#N/A	◆	0
Benjamin Myers		1	#N/A	#N/A	#N/A	◆	0
Benjamin Rowles		1	#N/A	#N/A	#N/A	◆	0
Bernard Cole			#N/A	#N/A	#N/A	◆	0
Bernard Lay	1		#N/A	#N/A	#N/A	◆	0
Beth Ondrak			#N/A	#N/A	#N/A	◆	0
Bill Dean		1	#N/A	#N/A	#N/A	◆	0
Bill Williams	1		#N/A	#N/A	#N/A	◆	0
Billy Carmin		1	#N/A	#N/A	#N/A	◆	0
Blythe Mackey			#N/A	#N/A	#N/A	◆	0
Bo Quinn			#N/A	#N/A	#N/A	◆	0
Bobbie Corliss		1	#N/A	#N/A	#N/A	◆	0
Bobby Snider	1		#N/A	#N/A	#N/A	◆	0
Bobby Walter	1		#N/A	#N/A	#N/A	◆	0
Boni Montanoortiz	1		#N/A	#N/A	#N/A	◆	0
Brad Younger		1	#N/A	#N/A	#N/A	◆	0
Braden Weber	1		#N/A	#N/A	#N/A	◆	0
Bradley Bauer		1	#N/A	#N/A	#N/A	◆	0
Bradley Mccray	1		#N/A	#N/A	#N/A	◆	0
Bradley Sheehan	1		#N/A	#N/A	#N/A	◆	0
Bradley Weaver	1		#N/A	#N/A	#N/A	◆	0
Bradley Wood	1		#N/A	#N/A	#N/A	◆	0
Bradley Wright		1	#N/A	#N/A	#N/A	◆	0
Brandi Kemper	1		#N/A	#N/A	#N/A	◆	0
Brandon Burk	1		#N/A	#N/A	#N/A	◆	0
Brandon Field			#N/A	#N/A	#N/A	◆	0
Brandon Kyrimis	1		#N/A	#N/A	#N/A	◆	0
Brant Childs	1		#N/A	#N/A	#N/A	◆	0
Brendan Biddle		1	#N/A	#N/A	#N/A	◆	0
Brent Mcghghy	1		#N/A	#N/A	#N/A	◆	0
Brent Richers		1	#N/A	#N/A	#N/A	◆	0
Brett Cloepfil		1	#N/A	#N/A	#N/A	◆	0
Brett Major	1		#N/A	#N/A	#N/A	◆	0
Brett Ribaudo	1		#N/A	#N/A	#N/A	◆	0
Brian Barrera	1		#N/A	#N/A	#N/A	◆	0

Brian Cromar		1	#N/A	#N/A	#N/A	◆	0
Brian Erickson			#N/A	#N/A	#N/A	◆	0
Brian Fabian	1		#N/A	#N/A	#N/A	◆	0
Brian Hilton	1		#N/A	#N/A	#N/A	◆	0
Brian Kelly	1		#N/A	#N/A	#N/A	◆	0
Brian Kelly	1		#N/A	#N/A	#N/A	◆	0
Brian Killian		1	#N/A	Brian Killian	#N/A	▲	1
Brian Quintia	1		#N/A	#N/A	#N/A	◆	0
Brian Reiser	1		#N/A	Brian Reiser	Brian Reiser	●	2
Brian Thompson		1	#N/A	#N/A	#N/A	◆	0
Brian Varrella		1	#N/A	#N/A	#N/A	◆	0
Brian Velasquez			#N/A	#N/A	#N/A	◆	0
Brien Collier	1		#N/A	#N/A	#N/A	◆	0
Brock Johnson	1		#N/A	#N/A	#N/A	◆	0
Bruce Barnett		1	#N/A	#N/A	#N/A	◆	0
Bruce Hale		1	#N/A	Bruce Hale	#N/A	▲	1
Bruce Heerts	1		#N/A	#N/A	#N/A	◆	0
Bruce Liddiard			#N/A	#N/A	#N/A	◆	0
Bruce Naylor	1		#N/A	#N/A	#N/A	◆	0
Bruce Vecqueray	1		#N/A	#N/A	#N/A	◆	0
Bryan Krieg		1	#N/A	Bryan Krieg	#N/A	▲	1
Bryan Nigey	1		#N/A	#N/A	#N/A	◆	0
Bryan Roeder			#N/A	#N/A	#N/A	◆	0
Bryan Santa Cruz		1	#N/A	#N/A	#N/A	◆	0
Bryce Reeves		1	#N/A	#N/A	#N/A	◆	0
Cale Lane Purvis	1		#N/A	#N/A	#N/A	◆	0
Calvin Mcklem	1		#N/A	#N/A	#N/A	◆	0
Cameron Emick			#N/A	#N/A	#N/A	◆	0
Cameron Gustafson		1	#N/A	#N/A	#N/A	◆	0
Carl Buford	1		#N/A	#N/A	#N/A	◆	0
Carl Cochran	1		#N/A	#N/A	#N/A	◆	0
Carlos Carrillo		1	#N/A	#N/A	#N/A	◆	0
Carlvin Umali	1		Carlvin Umali	#N/A	#N/A	▲	1
Carol Anderson	1		#N/A	#N/A	#N/A	◆	0
Carol Coates	1		#N/A	#N/A	#N/A	◆	0

Carol Parr		1	#N/A	Carol Parr	#N/A	▲	1
Carolyn Reilly		1	#N/A	#N/A	#N/A	◆	0
Carrie Dejiacomo	1		#N/A	#N/A	#N/A	◆	0
Casey Hensley			1	Casey Hensley	#N/A	▲	1
Casey Ortiz	1			#N/A	#N/A	◆	0
Casey Valentinelli		1		#N/A	#N/A	◆	0
Catherine Ventling		1		#N/A	Catherine Ventling	▲	1
Cathy Cole			1	#N/A	#N/A	◆	0
Cecil Cubbison		1		#N/A	Cecil Cubbison	▲	1
Cesar Paredes Diaz	1			#N/A	#N/A	◆	0
Chad Hall		1		#N/A	#N/A	◆	0
Chad Wright		1		#N/A	#N/A	◆	0
Charles Attardo	1			#N/A	#N/A	◆	0
Charles Auge			1	#N/A	#N/A	◆	0
Charles Brownewell		1		#N/A	#N/A	◆	0
Charles Colby			1	#N/A	#N/A	◆	0
Charles Deringer		1		#N/A	#N/A	◆	0
Charles Fox	1			#N/A	#N/A	◆	0
Charles Kordick		1		#N/A	#N/A	◆	0
Charles Meyer			1	#N/A	#N/A	◆	0
Charles Smith		1		#N/A	#N/A	◆	0
Charles States	1			#N/A	#N/A	◆	0
Charlie Franklin			1	#N/A	#N/A	◆	0
Chester Richardson	1			#N/A	#N/A	◆	0
Chet Hanns	1			#N/A	#N/A	◆	0
Cheyenne Wls		2		#N/A	#N/A	◆	0
Cheyenne Wls		1		#N/A	#N/A	◆	0
Chih Yu			1	#N/A	#N/A	◆	0
Chris Curtis	1			#N/A	#N/A	◆	0
Chris Moreno			1	#N/A	#N/A	◆	0
Christopher McDonald		1		#N/A	#N/A	◆	0
Christian Keseru	1			#N/A	#N/A	◆	0
Christiana Lacombe	1			#N/A	#N/A	◆	0
Christopher Beaver	1			#N/A	#N/A	◆	0
Christopher Bennett	1			#N/A	#N/A	◆	0

Christopher Boespflug		1	#N/A	#N/A	#N/A	◆	0
Christopher Brewer	1		#N/A	#N/A	#N/A	◆	0
Christopher Cameron	1		#N/A	#N/A	#N/A	◆	0
Christopher Carabello		1	#N/A	#N/A	#N/A	◆	0
Christopher Dakin		1	#N/A	#N/A	#N/A	◆	0
Christopher Herrera	1		#N/A	#N/A	#N/A	◆	0
Christopher Laughlin	1		#N/A	#N/A	#N/A	◆	0
Christopher Lenway		1	#N/A	#N/A	#N/A	◆	0
Christopher Mckeever	1		#N/A	#N/A	#N/A	◆	0
Christopher Meacham	1		#N/A	#N/A	#N/A	◆	0
Christopher Russell		1	#N/A	#N/A	#N/A	◆	0
Christopher Spangler	1		#N/A	#N/A	#N/A	◆	0
Christopher Turnbull		1	#N/A	#N/A	#N/A	◆	0
Christopher Vigil	1		#N/A	#N/A	#N/A	◆	0
Christopher Willis		1	#N/A	#N/A	#N/A	◆	0
Chuck Decker	1		#N/A	#N/A	#N/A	◆	0
Cindy Morgan		1	#N/A	#N/A	#N/A	◆	0
Cinnamon Levi-Flinn		1	#N/A	Cinnamon Levi-Flinn	#N/A	▲	1
Clarence Solomon		1	#N/A	#N/A	#N/A	◆	0
Clint Rhoades		1	#N/A	#N/A	#N/A	◆	0
Clinton Guild	1		#N/A	#N/A	#N/A	◆	0
Clyde Hopkinson		1	#N/A	#N/A	#N/A	◆	0
Cody Daigneault	1		#N/A	#N/A	#N/A	◆	0
Cody Roberts	1		#N/A	#N/A	#N/A	◆	0
Cole Ernst	1		#N/A	#N/A	#N/A	◆	0
Corey Stewart		1	#N/A	#N/A	#N/A	◆	0
Cory Glover		1	#N/A	Cory Glover	#N/A	▲	1
Cory Kindle		1	#N/A	#N/A	#N/A	◆	0
Cory Mauracher		1	#N/A	#N/A	#N/A	◆	0
Coty Estes	1		#N/A	#N/A	#N/A	◆	0
Craig Clark		1	#N/A	Craig Clark	#N/A	▲	1
Craig Eaks		1	#N/A	#N/A	#N/A	◆	0
Craig Filkins	1		#N/A	#N/A	#N/A	◆	0
Craig Hurst		1	#N/A	#N/A	#N/A	◆	0
Craig Kochis	1		#N/A	#N/A	#N/A	◆	0

Craig McCall		1	#N/A	#N/A	#N/A	◆	0
Craig Smith		1	#N/A	#N/A	#N/A	◆	0
Cullen Rutan	1	1	#N/A	Cullen Rutan	#N/A	▲	1
Curt Frischkorn	1		#N/A	Curt Frischkorn	#N/A	▲	1
Curtis Rathbun	1		#N/A	#N/A	#N/A	◆	0
Curtis Vigil	1		#N/A	#N/A	#N/A	◆	0
Cynthia Bailey	1		#N/A	#N/A	#N/A	◆	0
Cynthia Brown	1		#N/A	#N/A	#N/A	◆	0
Cynthia Deering	1		#N/A	#N/A	#N/A	◆	0
Dale Andreatta	1		#N/A	#N/A	#N/A	◆	0
Dale Patterson		1	#N/A	#N/A	#N/A	◆	0
Dale Steerman		1	#N/A	#N/A	#N/A	◆	0
Dalton Parnell		1	#N/A	#N/A	#N/A	◆	0
Damian Leyba	1		#N/A	#N/A	#N/A	◆	0
Damien Stelter		1	#N/A	#N/A	#N/A	◆	0
Dan Sinclair	1		#N/A	Dan Sinclair	#N/A	▲	1
Dana Miller	1		#N/A	#N/A	#N/A	◆	0
Daniel Best	1		#N/A	#N/A	#N/A	◆	0
Daniel Burrows	1		#N/A	#N/A	#N/A	◆	0
Daniel Dahlke	1		#N/A	#N/A	#N/A	◆	0
Daniel Dees	1		#N/A	#N/A	#N/A	◆	0
Daniel Falls		1	#N/A	#N/A	#N/A	◆	0
Daniel Finholm	1		#N/A	#N/A	#N/A	◆	0
Daniel Garcia		1	#N/A	#N/A	#N/A	◆	0
Daniel Haberman	1		#N/A	#N/A	#N/A	◆	0
Daniel Housand	1		#N/A	#N/A	#N/A	◆	0
Daniel Hunt	1		#N/A	#N/A	#N/A	◆	0
Daniel Jepson		1	#N/A	#N/A	#N/A	◆	0
Daniel Keyghobad	1		#N/A	#N/A	#N/A	◆	0
Daniel Long		1	#N/A	Daniel Long	#N/A	▲	1
Daniel Lyons	1		#N/A	#N/A	#N/A	◆	0
Daniel Mattson		1	#N/A	#N/A	#N/A	◆	0
Daniel Morgan	1		#N/A	#N/A	#N/A	◆	0
Daniel OConnor		1	#N/A	Daniel OConnor	#N/A	▲	1
Daniel Powell		1	#N/A	#N/A	#N/A	◆	0

Daniel Raffensperger	1		#N/A	#N/A	#N/A	◆	0
Daniel Rose	1		#N/A	#N/A	#N/A	◆	0
Daniel Roussin		1	#N/A	Daniel Roussin	#N/A	▲	1
Daniel Sanchez	1		#N/A	#N/A	#N/A	◆	0
Daniel Stengel			1	#N/A	#N/A	◆	0
Daniel Thomas		1	#N/A	#N/A	#N/A	◆	0
Daniel Wahrman	1		#N/A	#N/A	#N/A	◆	0
Danielle Wilkinson		1	#N/A	Danielle Wilkinson	Danielle Wilkin	●	2
Danny Dent		1	#N/A	#N/A	#N/A	◆	0
Danny Herrmann	1		#N/A	#N/A	#N/A	◆	0
Danny Newlon	1		#N/A	#N/A	#N/A	◆	0
Danny Oster		1	#N/A	#N/A	#N/A	◆	0
Danny Oster		1	#N/A	#N/A	#N/A	◆	0
Danny Sams		1	#N/A	#N/A	#N/A	◆	0
Danny Segura	1		Danny Segura	#N/A	#N/A	▲	1
Danny Wells			1	#N/A	#N/A	◆	0
Darcie Lopez			1	#N/A	#N/A	◆	0
Darian Wirt		1		#N/A	#N/A	◆	0
Darin Duke	1			#N/A	#N/A	◆	0
Daron Fanfair	1			#N/A	#N/A	◆	0
Darrel Maez			1	#N/A	#N/A	◆	0
Darrell Archuleta		1		#N/A	#N/A	◆	0
Darren Phipps		1		#N/A	#N/A	◆	0
David Berg		1		#N/A	#N/A	◆	0
David Bourget			1	#N/A	#N/A	◆	0
David Brown	1			#N/A	#N/A	◆	0
David Bushrow	1			#N/A	#N/A	◆	0
David Cesark		1		#N/A	#N/A	◆	0
David Childs	1			#N/A	#N/A	◆	0
David Clark	1			#N/A	#N/A	◆	0
David Eller		1		#N/A	#N/A	◆	0
David Fox	1			#N/A	#N/A	◆	0
David Fulbright	1			#N/A	#N/A	◆	0
David Haley	1			#N/A	#N/A	◆	0
David Hicks	1			#N/A	#N/A	◆	0

David Kosmiski	1		#N/A	#N/A	#N/A	◆	0
David Livesay	1		#N/A	#N/A	#N/A	◆	0
David Mansanares	1		#N/A	#N/A	#N/A	◆	0
David Martinez		1	#N/A	#N/A	#N/A	◆	0
David Martinez	1		#N/A	#N/A	#N/A	◆	0
David Mccollough		1	#N/A	David Mccollough	#N/A	▲	1
David Mccoy		1	#N/A	#N/A	#N/A	◆	0
David Merenich		1	#N/A	#N/A	#N/A	◆	0
David Montano	1		#N/A	#N/A	#N/A	◆	0
David Nasiatka		1	#N/A	#N/A	#N/A	◆	0
David Oldham		1	#N/A	#N/A	#N/A	◆	0
David Perlick	1		#N/A	#N/A	#N/A	◆	0
David Pickren		1	#N/A	#N/A	#N/A	◆	0
David Quinonez	1		#N/A	#N/A	#N/A	◆	0
David Reeves		1	#N/A	#N/A	#N/A	◆	0
David Robson	1		#N/A	#N/A	#N/A	◆	0
David Schoeller	1		#N/A	#N/A	#N/A	◆	0
David Singer		1	#N/A	David Singer	#N/A	▲	1
David Swenka		1	#N/A	#N/A	#N/A	◆	0
David Thomas		1	#N/A	#N/A	#N/A	◆	0
David Valentinelli		1	#N/A	#N/A	#N/A	◆	0
David Watt	1		#N/A	#N/A	#N/A	◆	0
David Weld		1	#N/A	#N/A	#N/A	◆	0
Dawn Rowell		1	#N/A	#N/A	#N/A	◆	0
Dean Church	1		#N/A	#N/A	#N/A	◆	0
Dean Holmes	1		#N/A	#N/A	#N/A	◆	0
Dean Sandoval	1		#N/A	#N/A	#N/A	◆	0
Deandre Broadus	1		#N/A	#N/A	#N/A	◆	0
Deborah Haines	1		#N/A	#N/A	#N/A	◆	0
Debra Perkins-Smith		1	#N/A	#N/A	Debra Perkins-	▲	1
Delbert Hammel	1		#N/A	#N/A	#N/A	◆	0
Dennis Anderson	1		#N/A	#N/A	#N/A	◆	0
Dennis Cress	1		#N/A	#N/A	#N/A	◆	0
Dennis Walford	1		#N/A	#N/A	#N/A	◆	0
Derek Brady		1	#N/A	#N/A	#N/A	◆	0

Derek Vela	1		#N/A	#N/A	#N/A	◆	0
Derrick Montour	1		#N/A	#N/A	#N/A	◆	0
Devin Drayton		1	#N/A	Devin Drayton	#N/A	▲	1
Diane Leitch			1	#N/A	#N/A	◆	0
Dino Aragon	1		#N/A	#N/A	#N/A	◆	0
Dominic Cruz	1		#N/A	#N/A	#N/A	◆	0
Donald Aragon		1	#N/A	#N/A	#N/A	◆	0
Donald Gallegos	1		#N/A	#N/A	#N/A	◆	0
Donald Gustafson	1		#N/A	#N/A	#N/A	◆	0
Donald Gustin	1		#N/A	#N/A	#N/A	◆	0
Donald Hoffman			1	#N/A	#N/A	◆	0
Donald Luntsford		1	#N/A	#N/A	#N/A	◆	0
Donald Mccabe	1		#N/A	#N/A	#N/A	◆	0
Donald Mollendor	1		#N/A	#N/A	#N/A	◆	0
Donald Scarborough	1		#N/A	#N/A	#N/A	◆	0
Donald Taylor	1		#N/A	#N/A	#N/A	◆	0
Donald Taylor			1	#N/A	#N/A	◆	0
Donald Wilson		1	#N/A	Donald Wilson	#N/A	▲	1
Donald Wright		1	#N/A	#N/A	#N/A	◆	0
Donna Haight			1	#N/A	#N/A	◆	0
Donovan Montoya	1		#N/A	#N/A	#N/A	◆	0
Douglas Brown		1	#N/A	#N/A	#N/A	◆	0
Douglas Jones		1	#N/A	#N/A	#N/A	◆	0
Douglas Liane	1		#N/A	#N/A	#N/A	◆	0
Dove Creek			2	#N/A	#N/A	◆	0
Dove Creek			1	#N/A	#N/A	◆	0
Doyle Grebenik		1	#N/A	#N/A	#N/A	◆	0
Duane Grenier	1		#N/A	#N/A	#N/A	◆	0
Duane Hendrickson	1		#N/A	#N/A	#N/A	◆	0
Duane Sunderland	1		#N/A	#N/A	#N/A	◆	0
Dustin Cochrane		1	#N/A	#N/A	#N/A	◆	0
Dustin Fair		1	#N/A	#N/A	#N/A	◆	0
Dustin Ledford			1	#N/A	#N/A	◆	0
Dustin Mitchell	1		#N/A	#N/A	#N/A	◆	0
Dustin Spencer	1		#N/A	#N/A	#N/A	◆	0

Dustin Steelman		1	#N/A	#N/A	#N/A	◆	0
Dwayne Gaymon	1		#N/A	#N/A	#N/A	◆	0
Dylan Reiman		1	#N/A	#N/A	#N/A	◆	0
Earl Hadley		1	#N/A	#N/A	#N/A	◆	0
Eddie Davis	1		#N/A	#N/A	#N/A	◆	0
Eddie Gentry		1	#N/A	#N/A	#N/A	◆	0
Edgar Balderrama	1		#N/A	#N/A	#N/A	◆	0
Edgar Marquez	1		#N/A	#N/A	#N/A	◆	0
Edward Dunne	1		#N/A	#N/A	#N/A	◆	0
Emily Byers		1	#N/A	Emily Byers	#N/A	▲	1
Emmalee Blender		1	#N/A	Emmalee Blender	#N/A	▲	1
Eric Bemelen	1		Eric Bemelen	#N/A	#N/A	▲	1
Eric Bonds	1			#N/A	#N/A	◆	0
Eric Hicks		1	#N/A	#N/A	#N/A	◆	0
Eric Langford		1	#N/A	#N/A	#N/A	◆	0
Eric Lundberg	1		#N/A	#N/A	#N/A	◆	0
Eric Meyers	1		#N/A	#N/A	#N/A	◆	0
Eric Peterson		1	#N/A	Eric Peterson	#N/A	▲	1
Eric Poling	1		#N/A	#N/A	#N/A	◆	0
Eric Salemi		1	#N/A	#N/A	#N/A	◆	0
Eric Yehl	1		#N/A	#N/A	#N/A	◆	0
Erik Bryan	1		#N/A	#N/A	#N/A	◆	0
Erik Stephenson		1	#N/A	#N/A	#N/A	◆	0
Erik Zeigler	1		#N/A	#N/A	#N/A	◆	0
Ermer Andreatta		1	#N/A	#N/A	#N/A	◆	0
Ernest Meno	1		#N/A	#N/A	#N/A	◆	0
Ernest Rojas	1		#N/A	#N/A	#N/A	◆	0
Esayas Butta		1	#N/A	#N/A	#N/A	◆	0
Eskinder Muslah	1		#N/A	#N/A	#N/A	◆	0
Esmel Alexander		1	#N/A	#N/A	#N/A	◆	0
Eugene Floyd	1		#N/A	#N/A	#N/A	◆	0
Everette Elliston	1		#N/A	#N/A	#N/A	◆	0
F Martinez	1		#N/A	#N/A	#N/A	◆	0
Felipe Rodriguez		1	#N/A	#N/A	#N/A	◆	0
Felix Loya	1		#N/A	#N/A	#N/A	◆	0

Fernando Herrera		1	#N/A	#N/A	#N/A	◆	0
Filberto Sanchez	1		#N/A	#N/A	#N/A	◆	0
Frances Peavey		1	#N/A	Frances Peavey	#N/A	▲	1
Francesca Tordonato	1		#N/A	#N/A	#N/A	◆	0
Francis Melehan		1	#N/A	#N/A	#N/A	◆	0
Francis Morton	1		#N/A	#N/A	#N/A	◆	0
Frank Hochstadter	1		#N/A	#N/A	#N/A	◆	0
Frank Holman		1	#N/A	#N/A	#N/A	◆	0
Frank Kinder		1	#N/A	#N/A	#N/A	◆	0
Frank Mccoy	1		#N/A	#N/A	#N/A	◆	0
Frank Sevigny	1		#N/A	#N/A	#N/A	◆	0
Franklin English-Suriani	1		#N/A	#N/A	#N/A	◆	0
Fred Cummings		1	#N/A	#N/A	#N/A	◆	0
Fred Piper		1	#N/A	#N/A	#N/A	◆	0
Gabriel Cosyleon	1		#N/A	#N/A	#N/A	◆	0
Gabriel Martinez		1	#N/A	#N/A	#N/A	◆	0
Gabriel Martinez	1		#N/A	#N/A	#N/A	◆	0
Gabriel Michael		1	#N/A	Gabriel Michael	#N/A	▲	1
Gabriel Moreno	1		#N/A	#N/A	#N/A	◆	0
Garrett Kite	1		#N/A	#N/A	#N/A	◆	0
Gary Cuthrell	1		#N/A	#N/A	#N/A	◆	0
Gary Garcia		1	#N/A	#N/A	#N/A	◆	0
Gary Huber	1		Gary Huber	#N/A	#N/A	▲	1
Gary Macall	1		#N/A	#N/A	#N/A	◆	0
Gary Miller	1		#N/A	#N/A	#N/A	◆	0
Gary Schulz	1		#N/A	#N/A	#N/A	◆	0
Gary Strome		1	#N/A	#N/A	#N/A	◆	0
Gene Minges		1	#N/A	Gene Minges	#N/A	▲	1
Gene Simons		1	#N/A	#N/A	#N/A	◆	0
George Askew	1		#N/A	#N/A	#N/A	◆	0
George Demos		1	#N/A	#N/A	#N/A	◆	0
George Higgins	1		#N/A	#N/A	#N/A	◆	0
George Matorano	1		#N/A	#N/A	#N/A	◆	0
Gerald Kissinger		1	#N/A	#N/A	#N/A	◆	0
Gerald Mcfarland	1		#N/A	#N/A	#N/A	◆	0

Gerald Tovar	1		#N/A	#N/A	#N/A	◆	0
Gian Garufo		1	#N/A	#N/A	#N/A	◆	0
Gilbert Moore		1	#N/A	#N/A	#N/A	◆	0
Gina Fox		1	#N/A	#N/A	#N/A	◆	0
Glenn Boucher	1		#N/A	#N/A	#N/A	◆	0
Gomathileela Rajasekar	1		#N/A	#N/A	#N/A	◆	0
Grant Rilling	1		#N/A	#N/A	#N/A	◆	0
Gregory Basye	1		#N/A	#N/A	#N/A	◆	0
Gregory Fischer		1	#N/A	Gregory Fischer	#N/A	▲	1
Gregory Jones		1	#N/A	#N/A	#N/A	◆	0
Gregory Lewis	1		#N/A	#N/A	#N/A	◆	0
Gregory Maslak		1	#N/A	#N/A	#N/A	◆	0
Gregory Meeker		1	#N/A	Gregory Meeker	#N/A	▲	1
Gregory Nickerson		1	#N/A	#N/A	#N/A	◆	0
Gregory Sarafin		1	#N/A	#N/A	#N/A	◆	0
Gregory Stacy		1	#N/A	#N/A	#N/A	◆	0
Gregory Wolff		1	#N/A	Gregory Wolff	#N/A	▲	1
Guy Norris	1		#N/A	#N/A	#N/A	◆	0
Hanh Nguyen		1	#N/A	#N/A	#N/A	◆	0
Hannah Armfield		1	#N/A	#N/A	#N/A	◆	0
Hannah Girardin		1	#N/A	#N/A	#N/A	◆	0
Hans Blailes		1	#N/A	#N/A	#N/A	◆	0
Harley Henderson		1	#N/A	Harley Henderson	#N/A	▲	1
Harold Kitzman	1		#N/A	#N/A	#N/A	◆	0
Harry Sedlak	1		#N/A	#N/A	#N/A	◆	0
Harvey Flowers		1	#N/A	#N/A	#N/A	◆	0
Heather Paddock		1	#N/A	#N/A	#N/A	◆	0
Henry Hinkle	1		#N/A	#N/A	#N/A	◆	0
Henry Potts		1	#N/A	#N/A	#N/A	◆	0
Hiep Pham	1		Hiep Pham	#N/A	#N/A	▲	1
Hope Wright		1	#N/A	#N/A	#N/A	◆	0
Howard Ray		1	#N/A	#N/A	#N/A	◆	0
Hsu Cheng	1		#N/A	#N/A	#N/A	◆	0
Ilyess Ksouri		1	#N/A	#N/A	#N/A	◆	0
Issa Mize	1		#N/A	#N/A	#N/A	◆	0

Ivan Romo		1	#N/A	#N/A	#N/A	◆	0
J Gilligan	1		#N/A	#N/A	#N/A	◆	0
Jack Houghtaling	1		#N/A	#N/A	#N/A	◆	0
Jack Kelly		1	#N/A	#N/A	#N/A	◆	0
Jack Thorpe	1		#N/A	#N/A	#N/A	◆	0
Jacob Aguilar		1	#N/A	#N/A	#N/A	◆	0
Jacob Biller	1		#N/A	#N/A	#N/A	◆	0
Jacob Davis	1		#N/A	#N/A	#N/A	◆	0
Jacob Ojera	1		#N/A	#N/A	#N/A	◆	0
Jacob Southard	1		#N/A	#N/A	#N/A	◆	0
Jacqueline Giles		1	#N/A	Jacqueline Giles	#N/A	▲	1
Jaime Gutierrez	1		#N/A	#N/A	#N/A	◆	0
Jamal Mhareb	1		#N/A	#N/A	#N/A	◆	0
James Barajas	1		#N/A	#N/A	#N/A	◆	0
James Biren		1	#N/A	#N/A	#N/A	◆	0
James Bright		1	#N/A	#N/A	#N/A	◆	0
James Chase	1		#N/A	#N/A	#N/A	◆	0
James Dubois	1		#N/A	#N/A	#N/A	◆	0
James Eussen		1	#N/A	James Eussen	#N/A	▲	1
James Gammill		1	#N/A	#N/A	#N/A	◆	0
James Griffin	1		#N/A	#N/A	#N/A	◆	0
James Hannon	1		#N/A	#N/A	#N/A	◆	0
James Jones		1	#N/A	#N/A	#N/A	◆	0
James Ledford		1	#N/A	#N/A	#N/A	◆	0
James Livermore		1	#N/A	#N/A	#N/A	◆	0
James Moreau	1		#N/A	#N/A	#N/A	◆	0
James Nadon	1		#N/A	#N/A	#N/A	◆	0
James Pfeifer	1		#N/A	#N/A	#N/A	◆	0
James Roach	1		#N/A	#N/A	#N/A	◆	0
James Sawaya		1	#N/A	#N/A	#N/A	◆	0
James Schwab		1	#N/A	#N/A	#N/A	◆	0
James Stephenson		1	#N/A	#N/A	#N/A	◆	0
James Usher		1	#N/A	#N/A	#N/A	◆	0
James Vazquez	1		#N/A	#N/A	#N/A	◆	0
James Zufall		1	#N/A	#N/A	#N/A	◆	0

Jamie Javier		1	#N/A	#N/A	#N/A	◆	0
Jamie Lawson		1	#N/A	#N/A	#N/A	◆	0
Jamie Lopez	1		#N/A	#N/A	#N/A	◆	0
Jamie Ward	1		#N/A	#N/A	#N/A	◆	0
Jana Spiker	1		#N/A	#N/A	#N/A	◆	0
Jane Fisher		1	#N/A	#N/A	#N/A	◆	0
Jane Hann		1	#N/A	Jane Hann	#N/A	▲	1
Janet Goold-Gerak	1		#N/A	Janet Goold-Gerak	#N/A	▲	1
Janet Lindley		1	#N/A	Janet Lindley	#N/A	▲	1
Jarrett Spegele		1	#N/A	Jarrett Spegele	#N/A	▲	1
Jason Boles	1		#N/A	#N/A	#N/A	◆	0
Jason Fabian	1		#N/A	#N/A	#N/A	◆	0
Jason Falcone	1		#N/A	#N/A	#N/A	◆	0
Jason Fernandez	1		#N/A	#N/A	#N/A	◆	0
Jason Fullerton		1	#N/A	#N/A	#N/A	◆	0
Jason Huddle		1	#N/A	#N/A	#N/A	◆	0
Jason Lucerna	1		#N/A	#N/A	#N/A	◆	0
Jason Marmor		1	#N/A	Jason Marmor	#N/A	▲	1
Jason Marston	1		#N/A	#N/A	#N/A	◆	0
Jason Nelson		1	#N/A	#N/A	#N/A	◆	0
Jason Roth		1	#N/A	Jason Roth	#N/A	▲	1
Jason Smith		1	#N/A	#N/A	#N/A	◆	0
Jason Velasquez		1	#N/A	#N/A	#N/A	◆	0
Jason Voorhees		1	#N/A	#N/A	#N/A	◆	0
Jason Whisner		1	#N/A	#N/A	#N/A	◆	0
Jasper Casias		1	#N/A	#N/A	#N/A	◆	0
Jay Nelson	1		#N/A	#N/A	#N/A	◆	0
Jean Cordova		1	#N/A	Jean Cordova	#N/A	▲	1
Jeff Peterson		1	#N/A	Jeff Peterson	#N/A	▲	1
Jeff Tatkenhorst	1		#N/A	#N/A	#N/A	◆	0
Jeffery Hampton	1		#N/A	#N/A	#N/A	◆	0
Jeffery Hargrove	1		Jeffery Hargrove		#N/A	▲	1
Jeffery Mondragon		1	#N/A	#N/A	#N/A	◆	0
Jeffery Ward		1	#N/A	#N/A	#N/A	◆	0
Jeffrey Bonner		1	#N/A	#N/A	#N/A	◆	0

Jeffrey Chase	1		#N/A	#N/A	#N/A	◆	0
Jeffrey Courtney	1		#N/A	#N/A	#N/A	◆	0
Jeffrey Dawson			1 Jeffrey Dawson	#N/A	#N/A	▲	1
Jeffrey Ercul	1		#N/A	#N/A	#N/A	◆	0
Jeffrey Guevara	1		#N/A	#N/A	#N/A	◆	0
Jeffrey Haile		1	#N/A	#N/A	#N/A	◆	0
Jeffrey Johns		1	#N/A	#N/A	#N/A	◆	0
Jeffrey Keely	1		#N/A	#N/A	#N/A	◆	0
Jeffrey Kloska	1		#N/A	#N/A	#N/A	◆	0
Jeffrey Lubker	1		#N/A	#N/A	#N/A	◆	0
Jeffrey Mannlein		1	#N/A	#N/A	#N/A	◆	0
Jeffrey Reichle		1	#N/A	#N/A	#N/A	◆	0
Jemoah Cross	1		#N/A	#N/A	#N/A	◆	0
Jennifer Allison		1	#N/A	#N/A	#N/A	◆	0
Jennifer Billings	1		#N/A	#N/A	#N/A	◆	0
Jennifer Klaetsch		1	#N/A	#N/A	#N/A	◆	0
Jerad Esquibel		1	#N/A	#N/A	#N/A	◆	0
Jeremiah Paine	1		#N/A	#N/A	#N/A	◆	0
Jeremiah Unger		1	#N/A	Jeremiah Unger	#N/A	▲	1
Jeremy Archuleta	1		#N/A	#N/A	#N/A	◆	0
Jeremy Beumer		1	#N/A	#N/A	#N/A	◆	0
Jeremy Mcdonald		1	#N/A	#N/A	#N/A	◆	0
Jeremy Nobles	1		#N/A	#N/A	#N/A	◆	0
Jerome Estes		1	#N/A	#N/A	#N/A	◆	0
Jerome Taylor	1		#N/A	#N/A	#N/A	◆	0
Jerry Taylor	1		#N/A	#N/A	#N/A	◆	0
Jessica Ebel		1	#N/A	#N/A	#N/A	◆	0
Jessica Myklebust	1		#N/A	Jessica Myklebust	#N/A	▲	1
Jessica Silvey		1	#N/A	#N/A	#N/A	◆	0
Jill Scott			1 Jill Scott	#N/A	#N/A	▲	1
Jill Yakey	1		#N/A	#N/A	#N/A	◆	0
Jim Bedan		1	#N/A	#N/A	#N/A	◆	0
Jim Witzke	1		#N/A	#N/A	#N/A	◆	0
Jimmy Watson	1		#N/A	#N/A	#N/A	◆	0
Jiovanna Toppi	1		#N/A	#N/A	#N/A	◆	0

Jocelyn Higashide	1		#N/A	#N/A	#N/A	◆	0
Jody Nordby-Allen	1		#N/A	#N/A	#N/A	◆	0
Jody Pieper		1	#N/A	#N/A	#N/A	◆	0
Joe Gross	1		#N/A	#N/A	#N/A	◆	0
Joe Martinez		1	#N/A	#N/A	#N/A	◆	0
Joel Berschauer		1	#N/A	Joel Berschauer	#N/A	▲	1
Joel Liesman		1	#N/A	#N/A	#N/A	◆	0
Johannes Egghart		1	#N/A	#N/A	#N/A	◆	0
John Aitken	1		#N/A	#N/A	#N/A	◆	0
John Banta	1		#N/A	#N/A	#N/A	◆	0
John Bauer		1	#N/A	#N/A	#N/A	◆	0
John Beach	1		#N/A	#N/A	#N/A	◆	0
John Billick	1		#N/A	#N/A	#N/A	◆	0
John Binney	1		#N/A	#N/A	#N/A	◆	0
John Bonner		1	#N/A	#N/A	#N/A	◆	0
John Bradbury	1		#N/A	#N/A	#N/A	◆	0
John Dalton	1		#N/A	#N/A	#N/A	◆	0
John Davis	1		#N/A	#N/A	#N/A	◆	0
John Fox		1	#N/A	#N/A	#N/A	◆	0
John Fraser	1		#N/A	#N/A	#N/A	◆	0
John Gregory	1		#N/A	#N/A	#N/A	◆	0
John Hall		1	#N/A	#N/A	#N/A	◆	0
John Jackson	1		#N/A	#N/A	#N/A	◆	0
John Lorme	1		#N/A	#N/A	#N/A	◆	0
John Mattive		1	#N/A	#N/A	#N/A	◆	0
John Pernicka		1	#N/A	#N/A	#N/A	◆	0
John Pickard		1	#N/A	#N/A	#N/A	◆	0
John Pierce	1		#N/A	#N/A	#N/A	◆	0
John Schriver	1		#N/A	#N/A	#N/A	◆	0
John Wilson	1		#N/A	#N/A	#N/A	◆	0
Johnny Gallegos	1		#N/A	#N/A	#N/A	◆	0
Johnny Olson		1	#N/A	#N/A	#N/A	◆	0
Johnny Ortega	1		#N/A	#N/A	#N/A	◆	0
Joleigh Doudy	1		#N/A	#N/A	#N/A	◆	0
Jonathan Derksen	1		#N/A	#N/A	#N/A	◆	0

Jonathan Glover		1	#N/A	#N/A	#N/A	◆	0
Jonathan Gray		1	#N/A	Jonathan Gray	#N/A	▲	1
Jonathan Masura		1	#N/A	#N/A	#N/A	◆	0
Jonathan Perry	1		#N/A	#N/A	#N/A	◆	0
Jonathan Slatton	1		#N/A	#N/A	#N/A	◆	0
Jonathan Turner	1		#N/A	#N/A	#N/A	◆	0
Jonathan Woodworth		1	#N/A	#N/A	#N/A	◆	0
Jordan Butler		1	#N/A	#N/A	#N/A	◆	0
Jordan Rudel	1		#N/A	Jordan Rudel	#N/A	▲	1
Jorge Gutierrez-Chapoy		1	#N/A	#N/A	#N/A	◆	0
Jose Lopez Rodriguez	1		#N/A	#N/A	#N/A	◆	0
Jose Martinez Candia		1	#N/A	#N/A	#N/A	◆	0
Jose Pacheco		1	#N/A	Jose Pacheco	#N/A	▲	1
Jose Pesina	1		#N/A	#N/A	#N/A	◆	0
Joseph Baca		1	#N/A	#N/A	#N/A	◆	0
Joseph Burrows		1	#N/A	#N/A	#N/A	◆	0
Joseph Carter		1	#N/A	#N/A	#N/A	◆	0
Joseph Crichton	1		#N/A	#N/A	#N/A	◆	0
Joseph Deheart		1	#N/A	#N/A	#N/A	◆	0
Joseph Fessenden		1	#N/A	#N/A	#N/A	◆	0
Joseph Kibbin	1		#N/A	#N/A	#N/A	◆	0
Joseph Marone		1	#N/A	#N/A	#N/A	◆	0
Joseph Navares	1		#N/A	#N/A	#N/A	◆	0
Joseph Rowles		1	#N/A	#N/A	#N/A	◆	0
Joseph Sanchez	1		#N/A	#N/A	#N/A	◆	0
Joseph Young		1	#N/A	#N/A	#N/A	◆	0
Joseph Zamarripa		1	#N/A	#N/A	#N/A	◆	0
Joshua Breedlove	1		#N/A	#N/A	#N/A	◆	0
Joshua Dorr		1	#N/A	#N/A	#N/A	◆	0
Joshua Fry	1		#N/A	#N/A	#N/A	◆	0
Joshua Giovannetti	1		#N/A	Joshua Giovannetti	#N/A	▲	1
Joshua Hagen		1	#N/A	#N/A	#N/A	◆	0
Joshua Keith		1	#N/A	#N/A	#N/A	◆	0
Joshua Laduke	1		#N/A	#N/A	#N/A	◆	0
Joshua Laippy		1	#N/A	#N/A	Joshua Laippy	▲	1

Joshua Shea		1	#N/A	#N/A	#N/A	◆	0
Joshua Trujillo			#N/A	#N/A	#N/A	◆	0
Juan Dimas	1		#N/A	#N/A	#N/A	◆	0
Juan Moreno Munoz	1		#N/A	#N/A	#N/A	◆	0
Juan Quintana	1		#N/A	#N/A	#N/A	◆	0
Juan Robles		1	#N/A	#N/A	#N/A	◆	0
Julie Constan		1	#N/A	#N/A	#N/A	◆	0
Julius Henderson	1		#N/A	#N/A	#N/A	◆	0
Justin Allbrandt		1	#N/A	#N/A	#N/A	◆	0
Justin Decker		1	#N/A	#N/A	#N/A	◆	0
Justin Freel	1		#N/A	#N/A	#N/A	◆	0
Justin Pipe		1	#N/A	#N/A	#N/A	◆	0
Justin Slocum	1		#N/A	#N/A	#N/A	◆	0
Justin Werdel		1	#N/A	#N/A	#N/A	◆	0
Justine French	1		#N/A	#N/A	#N/A	◆	0
Kaitlyn Clark		1	#N/A	Kaitlyn Clark	#N/A	▲	1
Kaleb Baugh		1	#N/A	Kaleb Baugh	#N/A	▲	1
Kamran Aghajani	1		#N/A	#N/A	#N/A	◆	0
Karen Mcolloughsullivan		1	#N/A	#N/A	#N/A	◆	0
Karen Rowe	1		#N/A	#N/A	#N/A	◆	0
Karen Schneiders		1	#N/A	#N/A	#N/A	◆	0
Katelyn Triggs		1	#N/A	#N/A	#N/A	◆	0
Katherine Clark		1	#N/A	#N/A	#N/A	◆	0
Kathleen Dawson	1		#N/A	#N/A	#N/A	◆	0
Kathleen Peterson		1	#N/A	#N/A	#N/A	◆	0
Kati Guerrero		1	#N/A	#N/A	#N/A	◆	0
Katrina Kloberdanz		1	#N/A	#N/A	#N/A	◆	0
Katrina Williams		1	#N/A	#N/A	#N/A	◆	0
Keith Edmonds	1		#N/A	#N/A	#N/A	◆	0
Keith Matthews		1	#N/A	#N/A	#N/A	◆	0
Keith Sheaffer		1	#N/A	#N/A	#N/A	◆	0
Keith Stefanik		1	#N/A	#N/A	#N/A	◆	0
Keith Stringham		1	#N/A	#N/A	#N/A	◆	0
Keith Uren		1	#N/A	#N/A	#N/A	◆	0
Keith Wakefield		1	#N/A	#N/A	#N/A	◆	0

Kelli Jenkel		1		#N/A	Kelli Jenkel	#N/A	▲	1
Kelly Jerome	1			#N/A	#N/A	#N/A	◆	0
Kelvin Jiron			1	#N/A	#N/A	#N/A	◆	0
Kendal Coggins		1		#N/A	Kendal Coggins	#N/A	▲	1
Kenneth Charles	1			#N/A	#N/A	#N/A	◆	0
Kenneth Churches			1	#N/A	#N/A	#N/A	◆	0
Kenneth Graves		1		#N/A	#N/A	#N/A	◆	0
Kenneth Howlett	1			#N/A	#N/A	#N/A	◆	0
Kenneth Jensen	1			#N/A	#N/A	#N/A	◆	0
Kenneth Johnson		1		#N/A	#N/A	#N/A	◆	0
Kenneth Largent			1	#N/A	#N/A	#N/A	◆	0
Kenneth Lovato			1	#N/A	#N/A	#N/A	◆	0
Kenneth Mackey		1		#N/A	#N/A	#N/A	◆	0
Kenneth Niles	1			#N/A	#N/A	#N/A	◆	0
Kenneth Pittman			1	#N/A	#N/A	#N/A	◆	0
Kenneth Steward			1	#N/A	#N/A	#N/A	◆	0
Kenneth Vialpando		1		#N/A	#N/A	#N/A	◆	0
Kenneth Wyatt	1			#N/A	#N/A	#N/A	◆	0
Kevan Rio Huyck O'Connell	1			#N/A	#N/A	#N/A	◆	0
Kevin Brown	1			#N/A	#N/A	#N/A	◆	0
Kevin Butler		1		#N/A	#N/A	#N/A	◆	0
Kevin Curry			1	#N/A	#N/A	#N/A	◆	0
Kevin Deschamp		1		#N/A	Kevin Deschamp	#N/A	▲	1
Kevin Devine			1	#N/A	#N/A	#N/A	◆	0
Kevin Diltz			1	#N/A	#N/A	#N/A	◆	0
Kevin Haynes	1			#N/A	#N/A	#N/A	◆	0
Kevin Mondragon	1			#N/A	#N/A	#N/A	◆	0
Kevin Moore	1			#N/A	#N/A	#N/A	◆	0
Kevin Reynolds		1		#N/A	#N/A	#N/A	◆	0
Kevin Roth			1	#N/A	#N/A	#N/A	◆	0
Kevin Ryburn			1	#N/A	#N/A	#N/A	◆	0
Kevin Walters		1		#N/A	#N/A	#N/A	◆	0
Kimberly Johnston			1	#N/A	#N/A	#N/A	◆	0
Kipp Laws	1			#N/A	#N/A	#N/A	◆	0
Kirk Allen	1			#N/A	#N/A	#N/A	◆	0

Kirk Hillman	1		#N/A	#N/A	#N/A	◆	0
Kirt Heffner	1		#N/A	#N/A	#N/A	◆	0
Kojo Hilaire	1		#N/A	#N/A	#N/A	◆	0
Krisinda Rapiejko		1	#N/A	#N/A	#N/A	◆	0
Kurt Bradley	1		#N/A	#N/A	#N/A	◆	0
Kurt Kionka	1		#N/A	#N/A	#N/A	◆	0
Kurt Vadasy	1		#N/A	#N/A	#N/A	◆	0
Kyle Benke		1	#N/A	#N/A	#N/A	◆	0
Kyle Cordova	1		#N/A	#N/A	#N/A	◆	0
Lance Hilmes		1	#N/A	#N/A	#N/A	◆	0
Larry Brinck		1	#N/A	#N/A	#N/A	◆	0
Larry Haas		1	#N/A	#N/A	#N/A	◆	0
Larry Lockman	1		#N/A	#N/A	#N/A	◆	0
Larry Montgomery	1		#N/A	#N/A	#N/A	◆	0
Larry Quirk	1		Larry Quirk	#N/A	#N/A	▲	1
Larry Reed	1		#N/A	#N/A	#N/A	◆	0
Larry Reilly	1		#N/A	#N/A	#N/A	◆	0
Larry Ruiz		1	#N/A	#N/A	#N/A	◆	0
Larry Woolsey	1		#N/A	#N/A	#N/A	◆	0
Laura Conroy	1		#N/A	#N/A	#N/A	◆	0
Laura Zamora		1	Laura Zamora	#N/A	#N/A	▲	1
Laurel Jones	1		#N/A	#N/A	#N/A	◆	0
Lauren Cooper		1	#N/A	#N/A	#N/A	◆	0
Laurence Lenard	1		#N/A	#N/A	#N/A	◆	0
Lawrence Haddon		1	#N/A	#N/A	#N/A	◆	0
Lee Brown	1		#N/A	Lee Brown	#N/A	▲	1
Lee Evans	1		#N/A	#N/A	#N/A	◆	0
Lee Ledford	1		#N/A	#N/A	#N/A	◆	0
Leonard Delvalle	1		#N/A	#N/A	#N/A	◆	0
Leonardo Molina		1	#N/A	#N/A	#N/A	◆	0
Lesley Mace	1		#N/A	#N/A	#N/A	◆	0
Leslie Modrick	1		#N/A	Leslie Modrick	Leslie Modrick	●	2
Linda Morschauser		1	#N/A	#N/A	#N/A	◆	0
Lindsay Edgar		1	#N/A	Lindsay Edgar	#N/A	▲	1
Lionel Valdez	1		#N/A	#N/A	#N/A	◆	0

Lisa Schoch		1	#N/A	#N/A	#N/A	◆	0
Lisa Wisner		1	#N/A	#N/A	#N/A	◆	0
Lloyd Lopez	1		#N/A	#N/A	#N/A	◆	0
Long Nguyen		1	#N/A	#N/A	#N/A	◆	0
Long Phan		1	#N/A	#N/A	#N/A	◆	0
Lontie Clemence	1		#N/A	#N/A	#N/A	◆	0
Lora Rice-Archuleta	1		#N/A	#N/A	#N/A	◆	0
Louis Avgeris		1	#N/A	#N/A	#N/A	◆	0
Louis Keen		1	#N/A	#N/A	#N/A	◆	0
Louis Maillet		1	#N/A	#N/A	#N/A	◆	0
Lucas Rigganbach		1	#N/A	#N/A	#N/A	◆	0
Luis Calderon Arce	1		#N/A	#N/A	#N/A	◆	0
Luis Martinez		1	#N/A	#N/A	#N/A	◆	0
Luke Mattenkoldt		1	#N/A	#N/A	#N/A	◆	0
Lynn Meberg	1		#N/A	#N/A	#N/A	◆	0
Lynnelle Peavy	1		#N/A	#N/A	#N/A	◆	0
Manjari Bhat		1	#N/A	#N/A	#N/A	◆	0
Manuel Abeyta	1		#N/A	#N/A	#N/A	◆	0
Manuel Alvarado	1		#N/A	#N/A	#N/A	◆	0
Manuel Bueno	1		#N/A	#N/A	#N/A	◆	0
Manuel Gallegos	1		#N/A	#N/A	#N/A	◆	0
Manuel Lucero		1	#N/A	#N/A	#N/A	◆	0
Manuel Pescador	1		#N/A	#N/A	#N/A	◆	0
Maomao Niko	1		#N/A	#N/A	#N/A	◆	0
Marc Schulz	1		#N/A	#N/A	#N/A	◆	0
Marc Travis		1	#N/A	Marc Travis	#N/A	▲	1
Marcus Constuble	1		#N/A	#N/A	#N/A	◆	0
Marcus Duren	1		Marcus Duren	#N/A	#N/A	▲	1
Marcus Maes	1		#N/A	#N/A	#N/A	◆	0
Maria Hajiaghaei	1		#N/A	#N/A	#N/A	◆	0
Marilyn Cross	1		#N/A	#N/A	#N/A	◆	0
Mark Andrew	1		#N/A	#N/A	#N/A	◆	0
Mark Babeon		1	#N/A	#N/A	#N/A	◆	0
Mark Bacialli		1	#N/A	#N/A	#N/A	◆	0
Mark Buehrle	1		#N/A	#N/A	#N/A	◆	0

Mark Bunnell		1		#N/A	Mark Bunnell	#N/A	▲	1
Mark Carrillo	1			#N/A	#N/A	#N/A	◆	0
Mark Connelly		1		#N/A	#N/A	#N/A	◆	0
Mark Cook		1		#N/A	#N/A	#N/A	◆	0
Mark Eike		1		#N/A	#N/A	#N/A	◆	0
Mark Gallegos	1			#N/A	#N/A	#N/A	◆	0
Mark Gocha		1		#N/A	#N/A	#N/A	◆	0
Mark Hanschmidt			1	#N/A	#N/A	#N/A	◆	0
Mark Hart	1			#N/A	#N/A	#N/A	◆	0
Mark Kyrimis	1			#N/A	#N/A	#N/A	◆	0
Mark Lyubinin	1			Mark Lyubinin	#N/A	#N/A	▲	1
Mark Manzanares			1	#N/A	#N/A	#N/A	◆	0
Mark Mills	1			#N/A	#N/A	#N/A	◆	0
Mark Mohr	1			#N/A	#N/A	#N/A	◆	0
Mark Neumeier		1		#N/A	Mark Neumeier	#N/A	▲	1
Mark Pennington		1		#N/A	#N/A	#N/A	◆	0
Mark Saenz	1			#N/A	#N/A	#N/A	◆	0
Mark Sitzman		1		#N/A	#N/A	#N/A	◆	0
Mark Slayton	1			#N/A	#N/A	#N/A	◆	0
Mark Straub			1	Mark Straub	#N/A	#N/A	▲	1
Mark Wamsley	1			#N/A	#N/A	#N/A	◆	0
Markos Atamo			1	#N/A	#N/A	#N/A	◆	0
Martin Delellis			1	#N/A	#N/A	#N/A	◆	0
Martin Howton			1	#N/A	#N/A	#N/A	◆	0
Mary Heinlein		1		#N/A	#N/A	#N/A	◆	0
Matt Bennett		1		#N/A	#N/A	#N/A	◆	0
Matthew Bell	1			#N/A	#N/A	#N/A	◆	0
Matthew Burr	1			#N/A	#N/A	#N/A	◆	0
Matthew Casey		1		#N/A	Matthew Casey	#N/A	▲	1
Matthew Cassio	1			#N/A	#N/A	#N/A	◆	0
Matthew Clark	1			#N/A	#N/A	#N/A	◆	0
Matthew Fink	1			#N/A	#N/A	#N/A	◆	0
Matthew Franklin	1			#N/A	#N/A	#N/A	◆	0
Matthew Gonzales	1			#N/A	#N/A	#N/A	◆	0
Matthew Jagow		1		#N/A	#N/A	#N/A	◆	0

Matthew Malick		1	#N/A	#N/A	Matthew Malic	▲	1
Matthew Mcmechen	1		#N/A	#N/A	#N/A	◆	0
Matthew Morgan		1	#N/A	#N/A	#N/A	◆	0
Matthew Muraro			#N/A	#N/A	#N/A	◆	0
Matthew Pacheco	1		#N/A	#N/A	#N/A	◆	0
Matthew Romero	1		#N/A	#N/A	#N/A	◆	0
Matthew Russmann	1		#N/A	#N/A	#N/A	◆	0
Matthew Smith		1	#N/A	#N/A	#N/A	◆	0
Matthew Stearns		1	#N/A	#N/A	#N/A	◆	0
Matthew Tennent			#N/A	#N/A	#N/A	◆	0
Matthew Whitaker	1		#N/A	#N/A	#N/A	◆	0
Mekonnen Mulugeta		1	#N/A	#N/A	#N/A	◆	0
Melaku Ameneshoa	1		#N/A	#N/A	#N/A	◆	0
Melvin Blumhardt		1	#N/A	#N/A	#N/A	◆	0
Merle Clubb		1	#N/A	#N/A	#N/A	◆	0
Micah Schneider		1	#N/A	#N/A	#N/A	◆	0
Michael Aguirre	1		#N/A	#N/A	#N/A	◆	0
Michael Asbury	1		#N/A	#N/A	#N/A	◆	0
Michael Banovich			#N/A	Michael Banovich	Michael Banovi	●	2
Michael Bass	1		#N/A	#N/A	#N/A	◆	0
Michael Bean	1		Michael Bean	#N/A	#N/A	▲	1
Michael Burns		1	#N/A	#N/A	#N/A	◆	0
Michael Clark	1		#N/A	#N/A	#N/A	◆	0
Michael Cook		1	#N/A	#N/A	#N/A	◆	0
Michael Curtis		1	#N/A	Michael Curtis	#N/A	▲	1
Michael Doyle	1		#N/A	#N/A	#N/A	◆	0
Michael Gardner	1		#N/A	#N/A	#N/A	◆	0
Michael Garman		1	#N/A	#N/A	#N/A	◆	0
Michael Goolsby		1	#N/A	Michael Goolsby	#N/A	▲	1
Michael Graves	1		#N/A	#N/A	#N/A	◆	0
Michael Haptonstall		1	#N/A	Michael Haptonstall	#N/A	▲	1
Michael Hatfield	1		#N/A	#N/A	#N/A	◆	0
Michael Jones	1		#N/A	#N/A	#N/A	◆	0
Michael Keen		1	#N/A	#N/A	#N/A	◆	0
Michael Keleman	1		#N/A	#N/A	#N/A	◆	0

Michael Kucey	1		Michael Kucey	#N/A	#N/A	▲	1
Michael Laughlin			#N/A	#N/A	#N/A	◆	0
Michael Lawrence	1		#N/A	#N/A	#N/A	◆	0
Michael Lewis			#N/A	#N/A	#N/A	◆	0
Michael Long		1	#N/A	#N/A	#N/A	◆	0
Michael Lubbers	1		#N/A	#N/A	#N/A	◆	0
Michael Ludivig	1		#N/A	#N/A	#N/A	◆	0
Michael Maez		1	#N/A	#N/A	#N/A	◆	0
Michael Manhart		1	#N/A	Michael Manhart	#N/A	▲	1
Michael Martin	1		#N/A	#N/A	#N/A	◆	0
Michael Martinez	1		#N/A	#N/A	#N/A	◆	0
Michael McMullen			#N/A	#N/A	#N/A	◆	0
Michael Mcqueary		1	#N/A	#N/A	#N/A	◆	0
Michael Mcbaugh			#N/A	#N/A	#N/A	◆	0
Michael Naranjo		1	#N/A	#N/A	#N/A	◆	0
Michael O'Neill	1		#N/A	#N/A	#N/A	◆	0
Michael Rossman		1	#N/A	Michael Rossman	#N/A	▲	1
Michael Schaffer			#N/A	#N/A	#N/A	◆	0
Michael Schuch		1	#N/A	#N/A	#N/A	◆	0
Michael Vecqueray	1		#N/A	#N/A	#N/A	◆	0
Michael Willyard	1		#N/A	#N/A	#N/A	◆	0
Michael Zamora	1		#N/A	#N/A	#N/A	◆	0
Michael Zoller		1	#N/A	#N/A	#N/A	◆	0
Mickey Madalino		1	#N/A	#N/A	#N/A	◆	0
Miguel Sanchez	1		#N/A	#N/A	#N/A	◆	0
Miguel Tovar		1	#N/A	#N/A	#N/A	◆	0
Mike Parachini		1	#N/A	#N/A	#N/A	◆	0
Mike Schreiber	1		#N/A	#N/A	#N/A	◆	0
Mikel Arvello	1		#N/A	#N/A	#N/A	◆	0
Milton Hester	1		#N/A	#N/A	#N/A	◆	0
Mitchel Varela		1	#N/A	#N/A	#N/A	◆	0
Mitchell Bekhit		1	#N/A	#N/A	#N/A	◆	0
Mitchell Holck	1		#N/A	#N/A	#N/A	◆	0
Mohammed Okok	1		#N/A	#N/A	#N/A	◆	0
Mohan Sagar		1	#N/A	Mohan Sagar	#N/A	▲	1

Molly Bly		1	#N/A	#N/A	#N/A	◆	0
Monte Malik		1	#N/A	#N/A	#N/A	◆	0
Moses Apodaca	1		#N/A	#N/A	#N/A	◆	0
Myhoa Phan	1		Myhoa Phan	#N/A	#N/A	▲	1
Myron Cunningham	1		#N/A	#N/A	#N/A	◆	0
Myron Olguin		1	#N/A	#N/A	#N/A	◆	0
Nabil Haddad			1	#N/A	#N/A	◆	0
Natasha Crayton			1	#N/A	#N/A	◆	0
Nathan Alexander	1			Nathan Alexand	#N/A	▲	1
Nathan Feldman	1			#N/A	#N/A	◆	0
Nathan Jean		1		#N/A	Nathan Jean	▲	1
Nathan Silberhorn		1		#N/A	#N/A	◆	0
Neal Lawson	1			#N/A	#N/A	◆	0
Neil Lacey			1	#N/A	#N/A	◆	0
Neil Ogden	1			#N/A	#N/A	◆	0
Newell Mcneil			1	#N/A	#N/A	◆	0
Nicholas Chavez	1			#N/A	#N/A	◆	0
Nicholas Cooper		1		#N/A	#N/A	◆	0
Nicholas Mcpherson	1			#N/A	#N/A	◆	0
Nicholas Nordquist		1		#N/A	Nicholas Nordquist	▲	1
Nicholaus Schipanski		1		#N/A	#N/A	▲	1
Nicola Upright		1		#N/A	#N/A	◆	0
Nicole Oester			1	#N/A	#N/A	◆	0
Nitin Deshpande			1	#N/A	#N/A	◆	0
Noureddine Goudjil	1			#N/A	#N/A	◆	0
Nsimbe Mohammad	1			#N/A	#N/A	◆	0
Orlando Julien		1		#N/A	#N/A	◆	0
Oscar Hernandez	1			#N/A	#N/A	◆	0
Otto Whisner		1		#N/A	Otto Whisner	▲	1
Pablo Gonzales	1			#N/A	#N/A	◆	0
Pamela Dipietro	1			#N/A	#N/A	◆	0
Patricia Henschen		1		#N/A	#N/A	◆	0
Patricia Mckinney-Clark	1			#N/A	#N/A	◆	0
Patrick Friesen	1			#N/A	#N/A	◆	0
Patrick Houlihan	1			#N/A	#N/A	◆	0

Patrick Murphy		1	#N/A	#N/A	#N/A	◆	0
Patrick Pittman	1		#N/A	#N/A	#N/A	◆	0
Patrick Vigil	1		#N/A	#N/A	#N/A	◆	0
Patrick Yeager		1	#N/A	#N/A	#N/A	◆	0
Patrick Ziegman		1	#N/A	#N/A	#N/A	◆	0
Paul Blocker		1	#N/A	#N/A	#N/A	◆	0
Paul Fox			1	#N/A	#N/A	◆	0
Paul Frank		1	#N/A	#N/A	#N/A	◆	0
Paul Granahan	1		#N/A	#N/A	#N/A	◆	0
Paul Gray		1	#N/A	#N/A	#N/A	◆	0
Paul Guajardo		1	#N/A	#N/A	#N/A	◆	0
Paul Heffernan	1		#N/A	#N/A	#N/A	◆	0
Paul Jesaitis	1		#N/A	#N/A	#N/A	◆	0
Paul Joyce		1	#N/A	#N/A	#N/A	◆	0
Paul Kinnes			1	#N/A	#N/A	◆	0
Paul Lamoureux	1		#N/A	#N/A	#N/A	◆	0
Paul Mendoza		1	#N/A	#N/A	#N/A	◆	0
Paul Neiman	1		#N/A	#N/A	#N/A	◆	0
Paul Scherner	1		#N/A	#N/A	#N/A	◆	0
Paul Trujillo		1	#N/A	#N/A	#N/A	◆	0
Paul Wilson			1	#N/A	#N/A	◆	0
Paul Zertuche	1		#N/A	#N/A	#N/A	◆	0
Pedro Magallanes		1	#N/A	#N/A	#N/A	◆	0
Pete Rodriguez		1	#N/A	#N/A	#N/A	◆	0
Peter Bernatski	1		#N/A	#N/A	#N/A	◆	0
Peter Igel			1	#N/A	#N/A	◆	0
Peter Kozinski			1	#N/A	#N/A	◆	0
Philbert Lucero	1		#N/A	#N/A	#N/A	◆	0
Philip Kish	1		#N/A	#N/A	#N/A	◆	0
Philip Rieg	1		#N/A	#N/A	#N/A	◆	0
Philippe Tolme	1		#N/A	#N/A	#N/A	◆	0
Phillip Bergt			1	#N/A	#N/A	◆	0
Phillip Farley	1		#N/A	#N/A	#N/A	◆	0
Phillip Schaeffer		1	#N/A	#N/A	#N/A	◆	0
Phillipe Ledesma	1		#N/A	#N/A	#N/A	◆	0

Preston Nusser	1		#N/A	#N/A	#N/A	◆	0
Rachel Hansgen		1	#N/A	#N/A	#N/A	◆	0
Raelene Shelly		1	#N/A	Raelene Shelly	#N/A	▲	1
Rafael Delgado	1		#N/A	#N/A	#N/A	◆	0
Ralph Jones	1		#N/A	#N/A	#N/A	◆	0
Randal Arredondo		1	#N/A	#N/A	#N/A	◆	0
Randal Dreiling		1	#N/A	#N/A	#N/A	◆	0
Randall Boley	1		#N/A	#N/A	#N/A	◆	0
Randall Bryan	1		#N/A	#N/A	#N/A	◆	0
Randee Reider		1	#N/A	#N/A	#N/A	◆	0
Randy Johnson	1		#N/A	#N/A	#N/A	◆	0
Randy Mueller	1		#N/A	#N/A	#N/A	◆	0
Randy Tano		1	#N/A	#N/A	#N/A	◆	0
Raquel Leyba	1		#N/A	#N/A	#N/A	◆	0
Raymie Partington	1		#N/A	#N/A	#N/A	◆	0
Raymond Ibarra	1		#N/A	#N/A	#N/A	◆	0
Rebecca Pierce		1	#N/A	#N/A	#N/A	◆	0
Rebecca White		1	#N/A	#N/A	#N/A	◆	0
Regina Buena		1	#N/A	#N/A	#N/A	◆	0
Rene Dewald	1		#N/A	#N/A	#N/A	◆	0
Richard Babb	1		#N/A	#N/A	#N/A	◆	0
Richard Berger	1		#N/A	#N/A	#N/A	◆	0
Richard Biocic		1	#N/A	Richard Biocic	#N/A	▲	1
Richard Brown	1		#N/A	#N/A	#N/A	◆	0
Richard Burrell		1	#N/A	#N/A	#N/A	◆	0
Richard Christy		1	#N/A	#N/A	#N/A	◆	0
Richard Coalson	1		#N/A	#N/A	#N/A	◆	0
Richard Eakins	1		#N/A	#N/A	#N/A	◆	0
Richard Fleming	1		#N/A	#N/A	#N/A	◆	0
Richard Lockhart		1	#N/A	#N/A	#N/A	◆	0
Richard Marcucci		1	#N/A	#N/A	#N/A	◆	0
Richard Martin	1		#N/A	#N/A	#N/A	◆	0
Richard Padilla	1		#N/A	#N/A	#N/A	◆	0
Richard Smith	1		#N/A	#N/A	#N/A	◆	0
Richard Solomon	1		#N/A	#N/A	#N/A	◆	0

Richard Trujillo	1		#N/A	#N/A	#N/A	◆	0
Richard Wenzel		1	#N/A	#N/A	#N/A	◆	0
Richard Zamora	1		#N/A	#N/A	#N/A	◆	0
Rick Baecker		1	#N/A	#N/A	#N/A	◆	0
Rick Chapman		1	#N/A	#N/A	#N/A	◆	0
Rick Henry	1		#N/A	#N/A	#N/A	◆	0
Rick Pendleton		1	#N/A	#N/A	#N/A	◆	0
Rickie Olguin	1		#N/A	#N/A	#N/A	◆	0
Ricky Bogs	1		#N/A	#N/A	#N/A	◆	0
Ricky Butler	1		#N/A	#N/A	#N/A	◆	0
Ricky Shumpert		1	#N/A	#N/A	#N/A	◆	0
Robbie Estrada	1		#N/A	#N/A	#N/A	◆	0
Robbie Revas		1	#N/A	#N/A	#N/A	◆	0
Robert Aragon		1	#N/A	#N/A	#N/A	◆	0
Robert Arnold	1		#N/A	#N/A	#N/A	◆	0
Robert Bak		1	#N/A	#N/A	#N/A	◆	0
Robert Bakken	1		#N/A	#N/A	#N/A	◆	0
Robert Beck		1	#N/A	#N/A	#N/A	◆	0
Robert Beins	1		#N/A	#N/A	#N/A	◆	0
Robert Burns		1	#N/A	#N/A	#N/A	◆	0
Robert Collins			1	#N/A	#N/A	◆	0
Robert Demoss	1		#N/A	#N/A	#N/A	◆	0
Robert Ealom	1		#N/A	#N/A	#N/A	◆	0
Robert Frei		1	#N/A	#N/A	#N/A	◆	0
Robert Garrison		1	#N/A	Robert Garrison	#N/A	▲	1
Robert Gaul	1		#N/A	#N/A	#N/A	◆	0
Robert Group			1	#N/A	#N/A	◆	0
Robert Gunter		1	#N/A	#N/A	#N/A	◆	0
Robert Gustafson		1	#N/A	#N/A	#N/A	◆	0
Robert Hays			1	#N/A	#N/A	◆	0
Robert Jordan	1		#N/A	#N/A	#N/A	◆	0
Robert Langley	1		#N/A	#N/A	#N/A	◆	0
Robert Lowery		1	#N/A	#N/A	#N/A	◆	0
Robert Lucero	1		#N/A	#N/A	#N/A	◆	0
Robert Mathies		1	#N/A	#N/A	#N/A	◆	0

Robert Mcdade		1	#N/A	Robert McDade	#N/A	▲	1
Robert Morris		1	#N/A	#N/A	#N/A	◆	0
Robert Pare		1	#N/A	#N/A	#N/A	◆	0
Robert Pauletich	1		#N/A	#N/A	#N/A	◆	0
Robert Peterson		1	#N/A	#N/A	#N/A	◆	0
Robert Petras	1		#N/A	#N/A	#N/A	◆	0
Robert Russo	1		#N/A	#N/A	#N/A	◆	0
Robert Sandoval	1		#N/A	#N/A	#N/A	◆	0
Robert Shanks		1	#N/A	#N/A	#N/A	◆	0
Robert Smith	1		Robert Smith	#N/A	#N/A	▲	1
Robert Toney		1	#N/A	#N/A	#N/A	◆	0
Robert Trujillo	1		#N/A	#N/A	#N/A	◆	0
Robert Van Horn	1		#N/A	#N/A	#N/A	◆	0
Robert Walsh	1		#N/A	#N/A	#N/A	◆	0
Robert Williams	1		#N/A	#N/A	#N/A	◆	0
Robert Wilson	1		#N/A	#N/A	#N/A	◆	0
Robert Yost	1		#N/A	#N/A	#N/A	◆	0
Roberto Bernal Coronado	1		#N/A	#N/A	#N/A	◆	0
Roberto Medina		1	#N/A	#N/A	#N/A	◆	0
Rocky Wood		1	#N/A	#N/A	#N/A	◆	0
Roderick Dudley		1	#N/A	#N/A	#N/A	◆	0
Rodney Richards	1		#N/A	#N/A	#N/A	◆	0
Roger Graham		1	#N/A	#N/A	#N/A	◆	0
Roger Lau		1	#N/A	#N/A	#N/A	◆	0
Roger Swiger	1		#N/A	#N/A	#N/A	◆	0
Roman Jauregui	1		#N/A	#N/A	#N/A	◆	0
Ronald Nelson		1	#N/A	#N/A	#N/A	◆	0
Ronald Palma		1	#N/A	#N/A	#N/A	◆	0
Ronald Ratzell	1		#N/A	#N/A	#N/A	◆	0
Ronald Rowe		1	#N/A	#N/A	#N/A	◆	0
Ronald Roybal	1		#N/A	#N/A	#N/A	◆	0
Ronald Widner		1	#N/A	#N/A	#N/A	◆	0
Ronald Young	1		#N/A	#N/A	#N/A	◆	0
Ronnie Coronado	1		#N/A	#N/A	#N/A	◆	0
Roscoe Bailey	1		#N/A	#N/A	#N/A	◆	0

Rose Waldman		1	#N/A	Rose Waldman	#N/A	▲	1
Roselle Drahushak-Crow		1	#N/A	#N/A	#N/A	◆	0
Ross Davis	1		#N/A	#N/A	#N/A	◆	0
Ross Stuckman		1	#N/A	#N/A	#N/A	◆	0
Roy Pallman			1	#N/A	#N/A	◆	0
Rudy Martinez		1	#N/A	#N/A	#N/A	◆	0
Russell Ebel		1	#N/A	#N/A	#N/A	◆	0
Russell Walker		1	#N/A	#N/A	#N/A	◆	0
Ryan Benke	1		#N/A	#N/A	#N/A	◆	0
Ryan Grier	1		#N/A	#N/A	#N/A	◆	0
Ryan Idler		1	#N/A	#N/A	#N/A	◆	0
Ryan Mcnerney	1		#N/A	#N/A	#N/A	◆	0
Ryan Rice			1	#N/A	#N/A	◆	0
Ryan Sorensen	1		Ryan Sorensen	#N/A	#N/A	▲	1
Ryan Wakeley		1	#N/A	#N/A	#N/A	◆	0
Sacarias Medina		1	#N/A	#N/A	#N/A	◆	0
Sahar Al-Ola			1	#N/A	#N/A	◆	0
Sam Sanders		1	#N/A	#N/A	#N/A	◆	0
Samantha Katz		1	#N/A	#N/A	#N/A	◆	0
Samer Alhaj	1		#N/A	#N/A	#N/A	◆	0
Samuel Cox		1	#N/A	#N/A	#N/A	◆	0
San Lee			1	#N/A	#N/A	◆	0
Santiago Garcia	1		#N/A	#N/A	#N/A	◆	0
Sarah Andros	1		#N/A	#N/A	#N/A	◆	0
Sarah Mitchell			1	#N/A	Sarah Mitchell	▲	1
Sasan Delshad	1		#N/A	#N/A	#N/A	◆	0
Scot Crabtree	1		#N/A	#N/A	#N/A	◆	0
Scott Burger			1	Scott Burger	#N/A	▲	1
Scott Carlstrom		1	#N/A	#N/A	#N/A	◆	0
Scott Dalton	1		#N/A	#N/A	#N/A	◆	0
Scott Hoftiezer			1	#N/A	#N/A	◆	0
Scott Kemper		1	#N/A	#N/A	#N/A	◆	0
Scott Kraft	1		#N/A	#N/A	#N/A	◆	0
Scott Leiker	1		#N/A	#N/A	#N/A	◆	0
Scott Monesmith		1	#N/A	#N/A	#N/A	◆	0

Scott Rees		1	#N/A	#N/A	#N/A	◆	0
Scott Reffel	1		#N/A	#N/A	#N/A	◆	0
Scott Schnake		1	#N/A	#N/A	#N/A	◆	0
Scott Smith		1	#N/A	#N/A	#N/A	◆	0
Scott Wagner	1		#N/A	#N/A	#N/A	◆	0
Scott Young	1		#N/A	#N/A	#N/A	◆	0
Sean Brewer			#N/A	Sean Brewer	#N/A	▲	1
Sean Lichota	1		#N/A	#N/A	#N/A	◆	0
Sean Maik		1	#N/A	#N/A	#N/A	◆	0
Sean Smeltzer		1	#N/A	#N/A	#N/A	◆	0
Sean Yeates		1	#N/A	Sean Yeates	#N/A	▲	1
Severo Romero	1		#N/A	#N/A	#N/A	◆	0
Shahin Mirfakhrai	1		#N/A	#N/A	#N/A	◆	0
Shailen Bhatt			#N/A	#N/A	#N/A	◆	0
Shamshad Hussain	1		#N/A	#N/A	#N/A	◆	0
Shane Chevalier	1		#N/A	#N/A	#N/A	◆	0
Shane Coalson	1		#N/A	#N/A	#N/A	◆	0
Shane Ferguson		1	#N/A	#N/A	#N/A	◆	0
Sharod Johnson		1	#N/A	#N/A	#N/A	◆	0
Shawn Dwyer	1		#N/A	#N/A	#N/A	◆	0
Shawn Haynes			#N/A	#N/A	#N/A	◆	0
Shawn Scardamaglia	1		#N/A	#N/A	#N/A	◆	0
Shawn Smith		1	#N/A	#N/A	#N/A	◆	0
Shawn Wiggins	1		#N/A	#N/A	#N/A	◆	0
Shawna Lamoreux		1	#N/A	#N/A	#N/A	◆	0
Shayne Speidell	1		#N/A	#N/A	#N/A	◆	0
Shelly Espinoza	1		#N/A	#N/A	#N/A	◆	0
Simon Rojo	1		#N/A	#N/A	#N/A	◆	0
Sina Khavary		1	#N/A	#N/A	#N/A	◆	0
Solomon Haile	1		#N/A	#N/A	#N/A	◆	0
Stacy Dewitt		1	#N/A	#N/A	#N/A	◆	0
Stacy Ferguson	1		#N/A	#N/A	#N/A	◆	0
Stanley Martinez		1	#N/A	#N/A	#N/A	◆	0
Stanley Weaver	1		#N/A	#N/A	#N/A	◆	0
Stephanie Alanis	1		Stephanie Alanis	#N/A	#N/A	▲	1

Stephanie Gramberg		1	#N/A	#N/A	#N/A	◆	0	
Stephen Bokros	1		#N/A	#N/A	#N/A	◆	0	
Stephen Cozzette	1		#N/A	#N/A	#N/A	◆	0	
Stephen Harelson	1		#N/A	#N/A	#N/A	◆	0	
Stephen Longbrook		1	#N/A	#N/A	#N/A	◆	0	
Stephen Mulqueen	1		#N/A	Stephen Mulqueen	Stephen Mulqueen	●	2	
Stephen Russell		1	#N/A	#N/A	#N/A	◆	0	
Stephen Scheid	1		#N/A	#N/A	#N/A	◆	0	
Stephen Simms		1	#N/A	#N/A	#N/A	◆	0	
Stevan Valdez		1	#N/A	#N/A	#N/A	◆	0	
Steve Cordova	1		#N/A	#N/A	#N/A	◆	0	
Steve Eurich		1	#N/A	#N/A	#N/A	◆	0	
Steve Markovetz			1	#N/A	#N/A	◆	0	
Steve Pinkowski	1		#N/A	#N/A	#N/A	◆	0	
Steven Alderman	1		#N/A	#N/A	#N/A	◆	0	
Steven Ashton		1	#N/A	#N/A	#N/A	◆	0	
Steven Franklin	1		#N/A	#N/A	#N/A	◆	0	
Steven Gillespie			1	#N/A	#N/A	◆	0	
Steven Griffin		1	#N/A	#N/A	#N/A	◆	0	
Steven Heimmer		1	#N/A	#N/A	#N/A	◆	0	
Steven Loeffler	1		#N/A	#N/A	#N/A	◆	0	
Steven Mease		1	#N/A	#N/A	#N/A	◆	0	
Steven Miller		1	#N/A	#N/A	#N/A	◆	0	
Steven Morgan	1		#N/A	#N/A	#N/A	◆	0	
Steven Pendleton		1	#N/A	#N/A	#N/A	◆	0	
Steven Sherman	1		#N/A	#N/A	#N/A	◆	0	
Steven Spera		1	#N/A	#N/A	#N/A	◆	0	
Stuart Copeland		1	#N/A	#N/A	#N/A	◆	0	
Stuart Gardner		1	#N/A	Stuart Gardner	#N/A	▲	1	
Stuart Miller		1	#N/A	#N/A	#N/A	◆	0	
Stuart Tashiro	1		#N/A	#N/A	#N/A	◆	0	
Susan Hagie	1		Susan Hagie	Susan Hagie	#N/A	●	2	
Susan Suddjian			1	#N/A	Susan Suddjian	#N/A	▲	1
Sydney Holmes		1	#N/A	#N/A	#N/A	◆	0	
Taher Zarinkhel		1	#N/A	#N/A	#N/A	◆	0	

Tamara Huntermauer		1	#N/A	#N/A	#N/A	◆	0
Tanisha Alford	1		#N/A	#N/A	#N/A	◆	0
Tara Mundt		1	#N/A	#N/A	#N/A	◆	0
Taylor O'Brien	1		#N/A	#N/A	#N/A	◆	0
Telecia Mccline	1		Telecia Mccline	#N/A	#N/A	▲	1
Terrence Stricherz		1	#N/A	#N/A	#N/A	◆	0
Terry Feltis	1		#N/A	#N/A	#N/A	◆	0
Terry Frazier	1		#N/A	#N/A	#N/A	◆	0
Thaddeus Fraedrich	1		#N/A	#N/A	#N/A	◆	0
Thanh Ly	1		Thanh Ly	#N/A	#N/A	▲	1
Theodore Flandreau		1	#N/A	#N/A	#N/A	◆	0
Theodore Sharsmith	1		#N/A	#N/A	#N/A	◆	0
Theresa Santangelodreiling		1	#N/A	Theresa Santangelodr	#N/A	▲	1
Thomas Dinardo		1	#N/A	#N/A	#N/A	◆	0
Thomas Escarcida	1		#N/A	#N/A	#N/A	◆	0
Thomas Grinder		1	#N/A	#N/A	#N/A	◆	0
Thomas Hanley	1		#N/A	#N/A	#N/A	◆	0
Thomas Harvey		1	#N/A	#N/A	#N/A	◆	0
Thomas Herrera	1		#N/A	#N/A	#N/A	◆	0
Thomas Humphrey		1	#N/A	#N/A	#N/A	◆	0
Thomas Kreimier		1	#N/A	#N/A	#N/A	◆	0
Thomas Magenis	1		Thomas Mageni	#N/A	#N/A	▲	1
Thomas Odell		1	#N/A	#N/A	#N/A	◆	0
Thomas Quigley	1		#N/A	Thomas Quigley	#N/A	▲	1
Thomas Siemek	1		#N/A	#N/A	#N/A	◆	0
Thu Tran		1	#N/A	#N/A	#N/A	◆	0
Tim Vigil		1	#N/A	#N/A	#N/A	◆	0
Timme Wild	1		Timme Wild	#N/A	#N/A	▲	1
Timothy Bilobran		1	#N/A	#N/A	#N/A	◆	0
Timothy Buntrock			#N/A	Timothy Buntrock	#N/A	▲	1
Timothy Crabtree	1		#N/A	#N/A	#N/A	◆	0
Timothy Denious		1	#N/A	#N/A	#N/A	◆	0
Timothy Flores	1		#N/A	#N/A	#N/A	◆	0
Timothy Frazier	1		#N/A	#N/A	#N/A	◆	0
Timothy Kelly	1		#N/A	#N/A	#N/A	◆	0

Timothy Mcghghy	1		#N/A	#N/A	#N/A	◆	0
Timothy Miles		1	#N/A	#N/A	#N/A	◆	0
Timothy Vizi		1	#N/A	#N/A	#N/A	◆	0
Timothy Webb		1	#N/A	#N/A	#N/A	◆	0
Tino Trujillo	1		#N/A	#N/A	#N/A	◆	0
Tito Padilla	1		#N/A	#N/A	#N/A	◆	0
Toby Espinoza		1	#N/A	#N/A	#N/A	◆	0
Toby Gallegos		1	#N/A	#N/A	#N/A	◆	0
Tod Bridgeman	1		#N/A	#N/A	#N/A	◆	0
Todd Alvey	1		#N/A	#N/A	#N/A	◆	0
Todd Current	1		#N/A	#N/A	#N/A	◆	0
Todd Dotson		1	#N/A	#N/A	#N/A	◆	0
Todd Eyestone		1	#N/A	#N/A	#N/A	◆	0
Todd Hendricks	1		#N/A	#N/A	#N/A	◆	0
Todd Hushka		1	#N/A	#N/A	#N/A	◆	0
Todd Sertich		1	#N/A	#N/A	#N/A	◆	0
Todd Zorn	1		#N/A	#N/A	#N/A	◆	0
Tom Pacheco			1	#N/A	#N/A	◆	0
Tommy Medina		1	#N/A	#N/A	#N/A	◆	0
Toney Valdez		1	#N/A	#N/A	#N/A	◆	0
Tony Alonzo		1	#N/A	#N/A	#N/A	◆	0
Tony Brindisi			1	#N/A	#N/A	◆	0
Tony Kerr	1			#N/A	#N/A	◆	0
Tony Roffe			1	#N/A	#N/A	◆	0
Tony Velasquez		1	#N/A	#N/A	#N/A	◆	0
Tracy Fenter	1			#N/A	#N/A	◆	0
Tracy Mcconnell		1	#N/A	#N/A	#N/A	◆	0
Tracy Thomason Vance	1			#N/A	#N/A	◆	0
Travis Howlett		1	#N/A	#N/A	#N/A	◆	0
Travis Willschau		1	#N/A	#N/A	#N/A	◆	0
Trevor Allen		1	#N/A	#N/A	#N/A	◆	0
Trevor Woolley	1			#N/A	#N/A	◆	0
Trina Colvin		1	#N/A	#N/A	#N/A	◆	0
Trinidad Urrutia	1			#N/A	#N/A	◆	0
Troy Morrison	1			#N/A	#N/A	◆	0

Troy Ramirez	1		#N/A	#N/A	#N/A	◆	0
Troy Rice		1	#N/A	Troy Rice	Troy Rice	●	2
Ty Ortiz			1	#N/A	#N/A	◆	0
Tyler Brady	1		#N/A	#N/A	#N/A	◆	0
Tyler Hamilton	1		#N/A	#N/A	#N/A	◆	0
Tyler Svitak			1	#N/A	#N/A	◆	0
Tyler Weldon			1	#N/A	#N/A	◆	0
Tylor Holaday			1	#N/A	#N/A	◆	0
Tyrus Harbert		1	#N/A	#N/A	#N/A	◆	0
Valerie Sword	1		#N/A	#N/A	#N/A	◆	0
Vanessa Henderson	1		#N/A	#N/A	#N/A	◆	0
Velna McEwen			1	#N/A	#N/A	◆	0
Vernon Johnson	1		#N/A	#N/A	#N/A	◆	0
Victor Salone		1	#N/A	#N/A	#N/A	◆	0
Victor Santistevan			1	#N/A	#N/A	◆	0
Victor Ward	1		#N/A	#N/A	#N/A	◆	0
Victoria Lockwood	1		#N/A	#N/A	#N/A	◆	0
Vladimir Bystrov			1	#N/A	#N/A	◆	0
Wade Urie	1		#N/A	#N/A	#N/A	◆	0
Wagner Kelley		1	#N/A	#N/A	#N/A	◆	0
Walter Buckholts			1	#N/A	#N/A	◆	0
Wayman Echols	1		#N/A	#N/A	#N/A	◆	0
Wendy Williams	1		#N/A	#N/A	#N/A	◆	0
Wesley Hay		1	#N/A	Wesley Hay	#N/A	▲	1
Wesley Mansfield			1	#N/A	#N/A	◆	0
Wesley Vetter	1		#N/A	#N/A	#N/A	◆	0
William Bond			1	#N/A	#N/A	◆	0
William Crawford		1	#N/A	William Crawford	#N/A	▲	1
William Heath		1	#N/A	#N/A	#N/A	◆	0
William Heidenreich		1	#N/A	#N/A	#N/A	◆	0
William Jones			1	#N/A	#N/A	◆	0
William Martenson	1		#N/A	#N/A	#N/A	◆	0
William McDermott			1	#N/A	#N/A	◆	0
William Outcalt			1	#N/A	#N/A	◆	0
William Powell		1	#N/A	#N/A	#N/A	◆	0

William Riddle		1	#N/A	#N/A	#N/A	◆	0
William Ridings		1	#N/A	#N/A	#N/A	◆	0
William Thompson	1		#N/A	#N/A	#N/A	◆	0
Willie Garcia		1	#N/A	#N/A	#N/A	◆	0
Wojciech Wawrzyniecki	1		#N/A	#N/A	#N/A	◆	0
Woodrow Daves		1	#N/A	#N/A	#N/A	◆	0
Yun Han		1	#N/A	#N/A	#N/A	◆	0
Zachary Bowles	1		#N/A	#N/A	#N/A	◆	0
Zachary Hilton	1		#N/A	#N/A	#N/A	◆	0
Zachary Jump	1		#N/A	#N/A	#N/A	◆	0
Zachary Koukol		1	#N/A	#N/A	#N/A	◆	0
Zachary Miller	1		#N/A	#N/A	#N/A	◆	0
Zachary Padilla	1		#N/A	#N/A	#N/A	◆	0
Zane Znamenacek		1	#N/A	Zane Znamenacek	#N/A	▲	1
REGION TOTAL	526	182	119	177	116	185	128 TOTAL TAKEN TRAINING
TOTAL REQUIRED							1305

**Attachment B\_AOC Item 66\_Training Sheet**

MS4 Engineer Training Taken

Names not in MS4 Required Names Tab or not CDOT

Name	Date of Training	Region
Benjamin Kepler	1/16/2018	1
Robert Smith	1/19/2018	1
Boni Montano Ortiz	1/16/2018	1
Bernard Shafer	1/10/2018	3
Carlvin Umali	1/16/2018	1
Casey Hensley	1/9/2018	3
Chris Horn	1/16/2018	1 NOT CDOT
Clinton Moyer	1/10/2018	3
Cole Rising	1/10/2018	3
Danny Segura	1/19/2018	1
Emeka ezekwemba	1/9/2018	1
Eric Bemelen	1/19/2018	1
Gary Huber	1/16/2018	1
Grant Anderson	1/9/2018	3
Hiep Pham	1/16/2018	1
Jeffrey Dawson	1/9/2018	3
Jeffery Hargrove	1/19/2018	1
Virginia Schnackenberg	1/10/2018	3
Jill Scott	1/19/2018	1
Jody Kenney	1/9/2018	3
Joel Barnett	1/9/2018	3
Joel Gross	1/16/2018	1
John Kronholm	1/9/2018	3
Justin Kuhn	1/10/2018	3
Katie Vlajcic	1/16/2018	1
Kelly Galardi	1/19/2018	1
Kevin O'reilly	1/9/2018	3
Larry Quirk	1/16/2018	1
Laura Zamora	1/9/2018	3
Marcus Duren	1/9/2018	1
Mark Lyubinin	1/16/2018	1
Mark Straub	1/9/2018	1
Matt McMahon	1/16/2018	1
Michael Kucey	1/9/2018	1
Michael Bean	1/16/2018	1
Mike Voxakis	1/9/2018	3
Myhoa Phan	1/16/2018	1
Nathan Alexander	1/19/2018	1
Paul Kind	1/16/2018	1
Randy Neece	1/10/2018	3
Ryan Sorensen	1/16/2018	1
Scott Burger	1/19/2018	1
Scott Harris	1/9/2018	3
Seina Soufiani	1/9/2018	3
Stephanie Alanis	1/16/2018	1
Susan Hagie	1/9/2018	1
Telecia Mccline	1/9/2018	1
Thanh Ly	1/16/2018	1
Timme Wild	1/16/2018	1
Thomas Magenis	1/9/2018	1
Tom Scheuermann	1/9/2018	3

**Attachment B\_AOC Item 66\_Training Sheet**

MS4 Environmental Training Taken

Some names are not required to take the training

<b>Employee Name</b>	<b>Employee's Email</b>	<b>Course Title</b>	<b>Completion Date (*required)</b>	<b>Specialty Unit</b>
Aaron English	aaron.english@state.co.us	MS4 Program Training	12/18/2017	Maintenance
Adam Cornely	adam.cornely@state.co.us	MS4 Program Training	12/18/2017	Engineering
Daniel Roussin	daniel.roussin@state.co.us	MS4 Program Training	12/19/2017	Specialty Unit
Alan Hayes	alan.d.hayes@state.co.us	MS4 Program Training	12/19/2017	Maintenance
Alan Rasic	alan.l.rasic@state.co.us	MS4 Program Training	12/21/2017	Maintenance
Alexander Verinis	alex.verinis@state.co.us	MS4 Program Training	12/18/2017	Engineering
Alison Michael	<a href="mailto:alison.michael@state.co.us">alison.michael@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Alison Van Wyk-Irwin	<a href="mailto:alison.irwin@state.co.us">alison.irwin@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Allen Gardner	allen.gardner@state.co.us	MS4 Program Training	12/18/2017	Maintenance
Amy Haffer	amy.haffer@state.co.us	MS4 Program Training	12/15/2017	Specialty Unit
Andrew Meadows	andrew.meadows@state.co.us	MS4 Program Training	12/17/2017	Maintenance
Adrianne Staley	andi.staley@state.co.us	MS4 Program Training	12/19/2017	Specialty Unit
Andre Pelletier	andre.pelletier@state.co.us	MS4 Program Training	12/22/2017	Region 3 Traffic
William Garcia	william.a.garcia@state.co.us	MS4 Program Training	12/17/2017	Maintenance
Angela Springer	angela.springer@state.co.us	MS4 Program Training	12/29/2017	Engineering
Anthony Brown	anthony.brown@state.co.us	MS4 Program Training	12/18/2017	Maintenance
Arron Edmonds	arron.edmonds@state.co.us	MS4 Program Training	12/18/2017	Maintenance
Arthur Stickler	arthur.stickler@state.co.us	MS4 Program Training	12/21/2017	Maintenance
Ayman Salloum	<a href="mailto:ayman.salloum@state.co.us">ayman.salloum@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Babaft Moore	babaft.moore@state.co.us	MS4 Program Training	12/18/2017	Specialty Unit
Basil Ryer	<a href="mailto:basil.ryer@state.co.us">basil.ryer@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Ben Sokolski	ben.sokolski@state.co.us	MS4 Program Training	12/17/2017	Maintenance
William Crawford	william.crawford@state.co.us	MS4 Program Training	12/19/2017	Specialty Unit
Bill Matlock	bill.matlock@state.co.us	MS4 Program Training	12/16/2017	Maintenance
Bradley Germeroth	bradley.germeroth@state.co.us	MS4 Program Training	12/16/2017	Maintenance
Brian Bowker	brian.bowker@state.co.us	MS4 Program Training	12/18/2017	Engineering
Brian Killian	brian.killian@state.co.us	MS4 Program Training	12/22/2017	Engineering
Brian Morales	brian.morales@state.co.us	MS4 Program Training	12/18/2017	Maintenance
Brian Reiser	<a href="mailto:brian.reiser@state.co.us">brian.reiser@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Bruce Hale	bruce.hale@state.co.us	MS4 Program Training	12/18/2017	utility R-3
Bruce Hillis	bruce.hillis@state.co.us	MS4 Program Training	12/22/2017	Maintenance

Bryan Krieg	bryan.krieg@state.co.us	MS4 Program Training	12/19/2017	Maintenance
Bryson Cole	bryson.cole@state.co.us	MS4 Program Training	12/21/2017	Maintenance
Bernard Shafer	bernard.shafer@state.co.us	MS4 Program Training	12/21/2017	Engineering
Carol Parr	<a href="mailto:carol.par@state.co.us">carol.par@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Carol Storey	<a href="mailto:carol.storey@state.co.us">carol.storey@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Cary Griffin	cary.griffin@state.co.us	MS4 Program Training	12/20/2017	Maintenance
Catherine Ventling	<a href="mailto:catherine.ventling@state.co.us">catherine.ventling@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Cecil Cubbison	cecil.cubbison@state.co.us	MS4 Program Training	12/15/2017	Engineering
Chance Walz	chance.walz@state.co.us	MS4 Program Training	12/15/2017	Engineering
Charles Rosa	charles.rosa@state.co.us	MS4 Program Training	12/22/2017	Maintenance
Charles Hannah	charles.hannah@state.co.us	MS4 Program Training	12/22/2017	Maintenance
Charlie Cooper	charlie.cooper@state.co.us	MS4 Program Training	12/22/2017	Maintenance
Chet Wagner	chet.wagner@state.co.us	MS4 Program Training	12/15/2017	Maintenance
Chris Graner	chris.graner@state.co.us	MS4 Program Training	12/16/2017	Maintenance
Christopher Schlotthauer	christopher.schlotthauer@state.co.us	MS4 Program Training	2/14/1986	Maintenance
Chris Ramsey	chris.ramsey@state.co.us	MS4 Program Training	12/16/2017	Maintenance
Chris Williams	chris.williams@state.co.us	MS4 Program Training	12/15/2017	Specialty Unit
Christine Mixon	christine.mixon@state.co.us	MS4 Program Training	12/22/2017	Maintenance
Christopher Andrews	christopher.andrews@state.co.us	MS4 Program Training	2/2/1991	Maintenance
Christopher Caywood	chris.caywood@state.co.us	MS4 Program Training	12/19/2017	Maintenance
Cinnamon Levi-Flinn	cinnamon.levi-flinn@state.co.us	MS4 Program Training	12/18/2017	Specialty Unit
Clifford Lenard	clifford.lenard@state.co.us	MS4 Program Training	12/21/2017	Maintenance
Clinton Moyer	clint.moyer@state.co.us	MS4 Program Training	12/18/2017	Engineering
Cody Denning	cody.denning@state.co.us	MS4 Program Training	12/22/2017	Maintenance
Cody Messer	cody.messer@state.co.us	MS4 Program Training	12/18/2017	Maintenance
Cory Glover	cory.glover@state.co.us	MS4 Program Training	12/20/2017	Engineering
Craig Clark	<a href="mailto:craig.clark@state.co.us">craig.clark@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Craig Skramstad	craig.skramstad@state.co.us	MS4 Program Training	12/19/2017	Maintenance
Cullen Rutan	cullen.rutan@state.co.us	MS4 Program Training	12/15/2017	Engineering
Curt Frischkorn	<a href="mailto:curt.frischkorn@state.co.us">curt.frischkorn@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Dan Sinclair	dan.sinclair@state.co.us	MS4 Program Training	12/18/2017	Maintenance
Daniel Hellyer	daniel.hellyer@state.co.us	MS4 Program Training	12/17/2017	Maintenance
Daniel Long	daniel.long@state.co.us	MS4 Program Training	12/20/2017	Maintenance
Daniel Mortensen	daniel.mortensen@state.co.us	MS4 Program Training	12/15/2017	Maintenance
Daniel OConnor	daniel.oconnor@state.co.us	MS4 Program Training	12/19/2017	Maintenance
Daniel Roussin	daniel.roussin@state.co.us	MS4 Program Training	12/19/2017	Specialty Unit

Danielle Wilkinson	<a href="mailto:danielle.Wilkinson@state.co.us">danielle.Wilkinson@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Dario Georgiou	dario.georgiou@state.co.us	MS4 Program Training	12/20/2017	Maintenance
David Mccollough	david.mccollough@state.co.us	MS4 Program Training	12/22/2017	Engineering
David Baird	david.baird@state.co.us	MS4 Program Training	12/22/2017	Maintenance
David Breece	david.breece@state.co.us	MS4 Program Training	12/17/2017	Maintenance
David Cale	david.cale@state.co.us	MS4 Program Training	12/18/2017	Maintenance
David Jackson	david.jackson@state.co.us	MS4 Program Training	12/29/2017	Maintenance
David Kuhn	david.kuhn@state.co.us	MS4 Program Training	12/21/2017	Maintenance
David Raley	dave.raley@state.co.us	MS4 Program Training	12/18/2017	Maintenance
David Ritterer	david.rittinger@state.co.us	MS4 Program Training	12/15/2017	Maintenance
David Singer	<a href="mailto:david.singer@state.co.us">david.singer@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
David Sorensen	david.sorensen@state.co.us	MS4 Program Training	12/20/2017	Maintenance
David Tedrow	david.tedrow@state.co.us	MS4 Program Training	12/18/2017	Engineering
Dean Faltrino	dean.faltrino@state.co.us	MS4 Program Training	12/20/2017	Maintenance
Delbert Cerise	delbert.cerise@state.co.us	MS4 Program Training	12/16/2017	Maintenance
Dennis Sanchez	dennis.sanchez@state.co.us	MS4 Program Training	12/19/2017	Maintenance
Derek Scovill	derek.scovill@state.co.us	MS4 Program Training	12/20/2017	Maintenance
Devin Drayton	devin.drayton@state.co.us	MS4 Program Training	12/19/2017	Traffic
Donald Black	donald.black@state.co.us	MS4 Program Training	12/29/2017	Maintenance
Donald C Huff	curtis.huff@state.co.us	MS4 Program Training	12/20/2017	Maintenance
Donald Poole	donald.poole@state.co.us	MS4 Program Training	12/22/2017	Maintenance
Donald Wilson	donald.m.wilson@state.co.us	MS4 Program Training	12/18/2017	Maintenance
Douglas Killerud	douglas.killerud@state.co.us	MS4 Program Training	12/18/2017	Specialty Unit
Drew Stewart	drew.stewart@state.co.us	MS4 Program Training	12/19/2017	Engineering
Edward Kerrigan	edward.kerrigan@state.co.us	MS4 Program Training	12/24/2017	Maintenance
Elefar Garcia	elefar.garcia@state.co.us	MS4 Program Training	12/27/2017	Maintenance
Elizabeth Kemp	<a href="mailto:elizabeth.kemp@state.co.us">elizabeth.kemp@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Elizabeth Monell	<a href="mailto:elizabeth.Monell@state.co.us">elizabeth.Monell@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Emily Byers	<a href="mailto:emily/byers@state.co.us">emily.byers@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Emmalee Blender	emmalee.blender@state.co.us	MS4 Program Training	12/20/2017	Engineering
Eric Peterson	eric.peterson@state.co.us	MS4 Program Training	12/31/2017	Engineering
Erich Miller	erich.miller@state.co.us	MS4 Program Training	12/19/2017	Maintenance
Floyd Strader	floyd.strader@state.co.us	MS4 Program Training	12/28/2017	Maintenance
Frances Peavey	<a href="mailto:frances.peavey@state.co.us">frances.peavey@state.co.us</a>	MS4 Program Training	10/4/2017	Environmental
Franklin Williams	franklin.williams@state.co.us	MS4 Program Training	12/22/2017	Maintenance
Fred Etter	fred.etter@state.co.us	MS4 Program Training	12/22/2017	Maintenance

Freddie Casaus	freddie.casaus@state.co.us	MS4 Program Training	12/19/2017	Maintenance
Gabriel Michael	gabriel.michael@state.co.us	MS4 Program Training	12/17/2017	Maintenance
Gary Denny	gary.denny@state.co.us	MS4 Program Training	12/20/2017	Maintenance
Gary Smith	garyh.smith@state.co.us	MS4 Program Training	12/22/2017	Maintenance
Gary Zumwalt	gary.zumwalt@state.co.us	MS4 Program Training	12/18/2017	Maintenance
George Lahr	george.lahr@state.co.us	MS4 Program Training	2/23/1981	Maintenance
George Oneil	george.o'neil@state.co.us	MS4 Program Training	12/17/2017	Maintenance
George Preiser	george.preiser@state.co.us	MS4 Program Training	12/18/2017	Engineering
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**Attachment B\_AOC Item 66\_Training Sheet**

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**Attachment B\_AOC Item 66\_Training Sheet**

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Bob Mcdade	Bob Mcdade	HQ-Shumate
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James Eussen		R4-HQ
Jane Hann		HQ-Shumate
Janet Goold-Gerak		R1-Denver South Holly
Jason Huddle		R3-HQ
Jason Marmor		R4-HQ
Jason Roth		R4-HQ
Jean Cordova	Jean Cordova	HQ-Shumate
Jennifer Klaetsch		R3-HQ
Jeremiah Unger	Jeremiah Unger	HQ-Shumate
Jessica Myklebust		R1-Denver South Holly
Jordan Rudel		R1-Denver South Holly
Joshua Giovannetti	Joshua Giovannetti	R1-Denver South Holly
Karen Schneiders		R4-HQ
Lauren Cooper		HQ-Shumate
Leslie Modrick-Mazzone	Leslie Modrick-Mazzone	R3-HQ
Mark Lawler	Mark Lawler	R5-HQ North Bldg
Matthew Malick	Matthew Malick	R4-HQ
Mike Banovich	Mike Banovich	HQ-Shumate
Nick Schipanski	Nick Schipanski	R4-HQ
Paula Durkin		R3-HQ
Rachel Hansgen		HQ-Shumate
Robert Frei		R2-Colo Spgs N Engr
Steven Mulqueen	Steven Mulqueen	R1-Denver South Holly
Susan Suddjian	Susan Suddjian	HQ-Shumate
Susie Hagie	Susie Hagie	R1-Denver South Holly
Timothy Buntrock		R1-Denver Atlantic
Tripp Minges	Tripp Minges	
Troy Rice	Troy Rice	R2-Colo Spgs N Engr

Other Positions that may need  
SWMP Training - i.e., anyone that  
prepares a CDOT SWMP

Positions
Consultants
CDOT Hydraulic Engineers
CDOT Engineers
CDOT Environmental

**Attachment B\_AOC Item 66\_Training Sheet**

SWMP Preparer Certifications

	Student ID	Name	Email	Employer	Class Dates
11	670	Basil Ryer	Basil.Ryer@state.co.us	CDOT	BETA
25	908	Bob Mcdade	robert.mcdade@state.co.us	CDOT	9/7/2017-9/8/2017
22	857	Brian Reiser	Brian.Reiser@state.co.us	CDOT	BETA
36	1095	Crissi Boe	crissi.boe@state.co.us	CDOT	11/30/2017-12/1/2017
1	500	Cynthia Brown	cynthiae.brown@state.co.us	CDOT	6/22/2017-6/23/2017
42	1197	Dale Patterson	dale.patterson@state.co.us	CDOT	11/30/2017-12/1/2017
39	1146	Danielle Wilkinson	danielle.wilkinson@state.co.us	CDOT	11/30/2017-12/1/2017
38	1129	Drew Stewart	drew.stewart@state.co.us	CDOT	11/30/2017-12/1/2017
27	942	Elizabeth Monell	elizabeth.monell@state.co.us	CDOT	9/7/2017-9/8/2019
41	1180	Emily Byers	emily.byers@state.co.us	CDOT	11/30/2017-12/1/2017
15	738	Greg Fischer	Greg.fischer@state.co.us	CDOT	BETA
3	534	James Sawaya	James.Sawaya@state.co.us	CDOT	6/22/2017-6/23/2017
35	1078	Jarrett Spegele	jarrett.spegele@state.co.us	CDOT	11/30/2017-12/1/2017
21	840	Jean Cordova	Jean.Cordova@state.co.us	CDOT	BETA
14	721	Jen Klaetsch		CDOT	BETA
44	1231	Jennie Schnackenberg	Jennie.Schnackenberg@state.co.us	CDOT	11/30/2017-12/1/2017
20	823	Jeremiah Unger	jeremiah.unger@state.co.us	CDOT	BETA
5	568	Joshua Giovannetti	Joshua.Giovannetti@state.co.us	CDOT	6/22/2017-6/23/2017
43	1214	Kaitlyn Clark	kaitlyn.clark@state.co.us	CDOT	11/30/2017-12/1/2017
40	1163	Leslie Modrick-Mazzone	leslie.modrick@state.co.us	CDOT	11/30/2017-12/1/2017
45	1248	Mark Lawler	mark.lawler@state.co.us	CDOT	11/30/2017-12/1/2017
37	1112	Matt Casey	matt.casey@state.co.us	CDOT	11/30/2017-12/1/2017
33	1044	Matthew Malick	Matthew.Malick@state.co.us	CDOT	9/7/2017-9/8/2017
12	687	Mike Banovich	Michael.Banovich@state.co.us	CDOT	BETA
23	874	Natasha Burdo	Natasha.burdo@state.co.us	CDOT	BETA
28	959	Nick Schipanski	nicholaus.Schipanski@state.co.us	CDOT	9/7/2017-9/8/2017
26	925	Paul Juszczak	paul.juszczak@state.co.us	CDOT	9/7/2017-9/8/2018
6	585	Steven Mulqueen	Steven.Mulqueen@state.co.us	CDOT	6/22/2017-6/23/2017
34	1061	Susan Suddjian	susan.suddjian@state.co.us	CDOT	11/30/2017-12/1/2017
13	704	Susie Hagie	Susie.Hagie@state.co.us	CDOT	BETA
18	789	Tripp Minges	Tripp.Minges@state.co.us	CDOT	BETA
7	602	Troy Rice	Troy.Rice@state.co.us	CDOT	6/22/2017-6/23/2017

	Student ID	Name	Email	Employer	Class Dates
9	636	Kelly Turner	Kelly.turner@fhueng.com	FHU Engineering	6/22/2017-6/23/2017
2	517	Grif Searles	Gsearles@kraemerna.com	Kraemer	6/22/2017-6/23/2017
10	653	John Barkowski		Kraemer	6/22/2017-6/23/2017
19	806	Holly Huyck	<a href="mailto:huyck@phoenixgeosciencesgroup.co">huyck@phoenixgeosciencesgroup.co</a>	Phoenix Geoscience Group	BETA
4	551	Jennifer Gorek	Gorek@rocksol.com	Rock Sol	6/22/2017-6/23/2017
17	772	Jennifer Keyes	JKeyes@wrightwater.com	Wright Water	BETA
30	993	Daniel Board	daniel.board@wsp.com	WSP	9/7/2017-9/8/2022
29	976	Erika Vega-Bazan	Erika.Vega-Bazan@wsp.com	WSP	9/7/2017-9/8/2021
31	1010	Ryan Balchuck	Ryan.Balchuck@wsp.com	WSP	9/7/2017-9/8/2023
16	755	Andrea Moore		?	BETA
24	891	Perry Edman		?	BETA

<u>Project</u>	<u>MAR Date</u>	<u>BMP Type</u>	<u>Problem Type</u>	<u>CA Completion Due Date (48 hours)</u>	<u>If applicable Interim Action (Completion Date)</u>	<u>Corrective Action Completion Date</u>	<u>Hours over per finding</u>	<u>Max hours over per MAR</u>	<u>LD 105 Issued Date</u>	<u>LD Assessed (\$)</u>	<u>Exceedance of 96 hours</u>	<u>SW 105 Date</u>	<u>If 105 was not issued (LD and/or SW), justification why 208.09 was not followed.</u>
Wadsworth Capacity Project - Phase 2 (Highland Dr. to 10th Ave.)	02/23/17	Concrete Washout Structure and Concrete Waste	BMP not Implemented	02/25/17	None	02/28/17	72	120	3/3/2017	\$1,750	Yes	No SW issued	<p>CDOT PE granted extension to 2/28/17 due to inclement weather, several findings exceeded that time allowance and LDs were issued (as explained below).</p> <p>On February 22, CDOT and SEMA conducted the February monthly MAR inspection of erosion control items. SEMA was directed per 105-211 to complete corrections to the findings no later than close of business Friday, February 24, 2017. Due to weather conditions on February 23 and February 24, this deadline was extended to close of business on February 28, 2017. Per 208.09, The Contractor will be subject to liquidated damages for incidents of failure to perform erosion control as required by the contract. Specifically, 208.09 (3) Failure of the ECS to implement necessary actions required by the Engineer as required by subsection 208.03(c). On March 1, 2017, the following items were not complete:</p> <hr/> <ul style="list-style-type: none"> <li>1. Item 12 - Stockpile Management</li> <li>2. Item 16 - Sediment Control BMP - General</li> <li>3. Item 17 - Inlet Protection</li> <li>4. Item 22 - Sediment Control BMP</li> </ul> <hr/> <p>CDOT informed SEMA that the items were not complete and per 208.09 penalties would be assessed. CDOT also directed SEMA to complete the items on March 1st, as there is a daily charge for incomplete items. On March 2, 2017, the following items were not complete:</p> <hr/> <ul style="list-style-type: none"> <li>1. Item 16 - Sediment Control BMP - General</li> <li>2. Item 17 - Inlet Protection</li> <li>3. Item 22 - Sediment Control BMP – General</li> </ul> <hr/> <p>These items were completed by close of business March 2nd. Per 208.09, the Contractor will be charged liquidated damages in the amount of \$875 for each calendar day after the 48 hour period has expired, that one or more of the incidents of failure to perform the requirements of CDPS-SCP, including but not limited to items (1) through (14) above, remains uncorrected. As there were two days after the 48 hour period, this results in a total penalty of \$1750 which will be deducted from the February estimate.</p>
		Concrete Washout Structure and Concrete Waste	Failure to maintain BMP per specification	02/25/17	None	02/28/17	72						
		Concrete Washout Structure and Concrete Waste	BMP not Implemented	02/25/17	None	02/28/17	72						
		Erosion Logs	Failure to maintain BMP per specification	02/25/17	None	02/28/17	72						
		Gravel Bag	Failure to maintain BMP per specification	02/25/17	None	02/28/17	72						
		Inlet Protection	Failure to maintain BMP per specification	02/25/17	None	02/28/17	72						
		Inlet Protection	BMP not Implemented	02/25/17	None	03/01/17	96						
		Leaks and Spills	BMP not Implemented	02/25/17	None	02/28/17	72						
		Leaks and Spills	BMP not Implemented	02/25/17	None	02/28/17	72						
		Sediment Control BMP - General	BMP not Implemented	02/25/17	None	02/28/17	72						
		Sediment Control BMP - General	BMP not Implemented	02/25/17	None	03/02/17	120						
		Sediment Control BMP - General	BMP not Implemented	02/25/17	None	02/28/17	72						
		Sediment Control BMP - General	BMP not Implemented	02/25/17	None	03/02/17	120						
		Sediment Control BMP - General	BMP not Implemented	02/25/17	None	02/28/17	72						
		Sediment Control BMP - General	Failure to maintain BMP per specification	02/25/17	None	02/28/17	72						
		Staging Area	BMP not Implemented	02/25/17	None	02/28/17	72						
		Stockpile Management	BMP not Implemented	02/25/17	None	03/01/17	96						
		Stockpile Management	BMP not Implemented	02/25/17	None	02/28/17	72						
		Street Sweeping	BMP not Implemented	02/25/17	None	02/28/17	72						
		Street Sweeping	BMP not Implemented	02/25/17	None	02/28/17	72						
		Street Sweeping	BMP not Implemented	02/25/17	None	02/28/17	72						
		Trash Collection	BMP not Implemented	02/25/17	None	02/28/17	72						

<u>Project</u>	<u>MAR Date</u>	<u>BMP Type</u>	<u>Problem Type</u>	<u>CA Completion Due Date (48 hours)</u>	<u>If applicable Interim Action (Completion Date)</u>	<u>Corrective Action Completion Date</u>	<u>Hours over per finding</u>	<u>Max hours over per MAR</u>	<u>LD 105 Issued Date</u>	<u>LD Assessed (\$)</u>	<u>Exceedance of 96 hours</u>	<u>SW 105 Date</u>	<u>If 105 was not issued (LD and/or SW), justification why 208.09 was not followed.</u>					
Wadsworth Capacity Project - Phase 2 (Highland Dr. to 10th Ave.)	03/23/17	General Construction Waste	BMP not Implemented	03/25/17	None	03/27/17	48	72	3/21/2017	\$1,750	No	NA	CARL calendar entry error. Other than the 6 findings listed below, the date of actual action taken was 3/25/17 and, not 3/27/17 or 3/28/17, and was within 48 hours, however, the CARL user forgot to backdate the calendar.					
		Inlet Protection	BMP not Implemented	03/25/17	None	03/27/17	48						The following findings are carryover findings from a daily (1388) inspection report from 3/17/17 that were incorporated into the MAR report as new findings. The LD's issued were independent from the MAR report and in conjunction with 105 #229, however this explains why some findings were held up on the MAR report. The remaining MAR findings should have been corrected by 3/25/17.					
		Inlet Protection	BMP not Implemented	03/25/17	None	03/28/17	72						1. Broken down paver is stored in COOT R.O.W. South of "U-Haul" property is leaking fluids, not contained					
		Sediment Control BMP - General	BMP not Implemented	03/25/17	None	03/27/17	48						2. Areas around inlets on East side of project were not cleaned prior to traffic switch, large amounts of sediment are present at inlet throats and will discharge to storm sewer with any precipitation					
		Sediment Control BMP - General	BMP not Implemented	03/25/17	None	03/28/17	72						3. Slopes behind sidewalk North of 91 11 Ave. were disturbed by Contractor, are now unprotected					
		Sediment Control BMP - General	BMP not Implemented	03/25/17	None	03/27/17	48						4. Concrete waste in numerous areas on West side of project including paved parking lot at "McDonald's" location. It should be noted that this area has been used extensively by the Contractor well outside the project limits and easements, and that this area will require restoration by the Contractor at no cost to the project					
		SWMP Site Map	Administrative	03/25/17	None	03/27/17	48						5. Slope protection has been removed on West side of project. These slopes require protection throughout construction					
													6. Stockpile controls/protection continue to be neglected, unprotected stockpiles are present throughout					
													Per 208.09 the Contractor will be charged liquidated damages in the amount of \$875 for each calendar day after the 48 hour period has expired. Liquidated damages will continue to be accrued on a per calendar day basis until all occurrences are corrected. As there were two days after the 48 hour period, this results in a total penalty of \$1750 which will be deducted from the March estimate.					
120th Ave. & US 287 Connection Phase 2	05/18/17	Concrete Washout Structure and Concrete Waste	BMP not Implemented	05/20/17	05/22/17	05/23/17	24	528	N/A	N/A	Yes	N/A	Per the CDOT CEPM, the field findings for trash collection, erosion log maintenance, and concrete waste remained outstanding due to standing water (recent storm event) and was inaccessible due to localized flooding in that low spot. The outstanding findings did not pose the risk of a offsite discharge. Interim measures were taken during this time to correct what they could and to stay out of the unsafe flooded area. The contractor continued to monitor to ensure that there was no discharge potential. The problem was isolated in a halted work area and corrected as soon as safely possible to do so, so no LDs or SW orders were assessed.					
		Erosion Logs	Failure to maintain BMP per specification	05/20/17	05/22/17	05/24/17	48											
		Trash Collection	BMP not Implemented	05/20/17	05/22/17	06/13/17	528											

<u>Project</u>	<u>MAR Date</u>	<u>BMP Type</u>	<u>Problem Type</u>	<u>CA Completion Due Date (48 hours)</u>	<u>If applicable Interim Action (Completion Date)</u>	<u>Corrective Action Completion Date</u>	<u>Hours over per finding</u>	<u>Max hours over per MAR</u>	<u>LD 105 Issued Date</u>	<u>LD Assessed (\$)</u>	<u>Exceedance of 96 hours</u>	<u>SW 105 Date</u>	<u>If 105 was not issued (LD and/or SW), justification why 208.09 was not followed.</u>
Wadsworth Capacity Project - Phase 2 (Highland Dr. to 10th Ave.)	05/25/17	Environmental Permits / Potential Pollutants / SPCC	Administrative	05/27/17	None	05/31/17	96	96	6/1/2017	\$1,750	Yes	N/A	CARL calendar entry error. Other than the 5 findings listed below, the date of actual action taken was 5/26-5/27 and, not 5/31/17, and was within 48 hours, however, the CARL user forgot to backdate the calendar.
		Erosion Logs	Failure to maintain BMP per specification	05/27/17	None	05/31/17	96						On May 22, 2017 SEMA participated in the collaborative post storm inspection, where multiple action items were noted. On May 24, 2017 SEMA participated in the monthly MAR inspection, where multiple action items were noted. Per 208.09, the Contractor will be subject to liquidated damages for incidents of failure to perform erosion control as required by the contract. Specifically, 208.09 (3) Failure of the ECS to implement necessary actions required by the Engineer as required by subsection 208.03(c). As of May 30, 2017, the following items were not complete:
		General Construction Waste	Failure to maintain BMP per specification	05/27/17	None	05/30/17	72						1. Post Storm - East Side Flared End Section: Large quantity of sediment remains (Photo Attached to 105-273). 2. MAR Finding 3 - Erosion Logs (Photos In MAR Report) 3. MAR Finding 4 - Equipment Crossing over Lakewood Gulch (Photos in MAR Report) 4. MAR Finding 7 - Temp Stream Diversion (Photos in MAR Report) 5. MAR Finding 10 - Broadview Yard (Photos in MAR Report)
		Inlet Protection	Failure to maintain BMP per specification	05/27/17	None	05/31/17	96						Per 208.09 the Contractor will be charged liquidated damages in the amount of \$875 for each calendar day after the 48 hour period has expired. Liquidated damages will continue to be accrued on a per calendar day basis until all items are corrected. Two (2) calendar days have passed beyond the expiration of the 48 hour period specified, therefore SEMA will be charged \$1750 in Liquidated Damages. Outstanding items were completed on May 31, 2017.
		Inlet Protection	Failure to maintain BMP per specification	05/27/17	None	05/31/17	96						
		Inspections	Administrative	05/27/17	None	05/31/17	96						
		Sediment Control BMP - General	Failure to maintain BMP per specification	05/27/17	None	05/31/17	96						
		Sediment Control BMP - General	BMP not Implemented	05/27/17	None	05/31/17	96						
		SWMP Site Map	Administrative	05/27/17	None	05/31/17	96						
120th Ave. & US 287 Connection Phase 2	06/15/17	Vehicle Tracking Pad	Failure to maintain BMP per specification	06/17/17	None	06/19/17	48	48	N/A	N/A	No	N/A	Crew worked late Friday to correct findings, but replaced wrong vehicle tracking pad. Correct pad was replaced Monday morning after error was found. No work was performed over weekend, and access was not used until pad was replaced. No LD's were issued.
120th Ave. & US 287 Connection Phase 2	07/19/17	Inspections	Administrative	07/21/17	None	07/26/17	120	120	N/A	N/A	Yes	N/A	Two daily inspections were missed due to multiple absences and miscommunication in contractors' staff. Issue corrected and dailies resumed immediately when identified. Delay was in submitting written response from contractor back to CDOT staff. Corrective action was accomplished within 48-hours, however, there was a delay in 105 communication from the contractor. No LD's issued.
120th Ave. & US 287 Connection Phase 2	08/23/17	Sediment Control BMP - General	BMP not Implemented	08/25/17	None	08/31/17	144	264	8/28/2017	\$7,875.00	Yes	N/A	Liquidated Damages in the amount of \$7,875.00 were assessed per SS 208.09 for Failure to Perform Erosion Control. 9 days (9 x 875/day) non-compliance from issuance of non-compliance 105.
		Silt Fence	Failure to maintain BMP per specification	08/25/17	None	08/31/17	144						
		SWMP Site Map	Administrative	08/25/17	None	09/05/17	264						
I-25 Ilex Bridge Replacement	04/13/17	Inlet Protection	BMP not Implemented	04/15/17	04/14/17	05/11/17	648	648	N/A	N/A	Yes	N/A	Contractor implemented interim corrective actions on 4/14 (rock socks) until receipt of certified weed free bales could be purchased from backlogged vendor when final corrective actions were installed 5/11. Project remained in compliance with CDOTs SCP during the period.

<u>Project</u>	<u>MAR Date</u>	<u>BMP Type</u>	<u>Problem Type</u>	<u>CA Completion Due Date (48 hours)</u>	<u>If applicable Interim Action (Completion Date)</u>	<u>Corrective Action Completion Date</u>	<u>Hours over per finding</u>	<u>Max hours over per MAR</u>	<u>LD 105 Issued Date</u>	<u>LD Assessed (\$)</u>	<u>Exceedance of 96 hours</u>	<u>SW 105 Date</u>	<u>If 105 was not issued (LD and/or SW), justification why 208.09 was not followed.</u>
US 50, Wills Blvd to BNSF RR Crossing	05/10/17	Concrete Washout Structure and Concrete Waste	Failure to maintain BMP per specification	05/12/17	05/15/17	05/17/17	48	48	NA	NA	No	NA	Interim corrective actions were complete on Friday, 5/12, but PE did not enter actions in CARL until the following Monday, 5/15. Additional geotextile and rock installed as final BMP on 5/17. Project remained in compliance with CDOTs SCP during the period.
		Rock Check Dam	Failure to maintain BMP per specification	05/12/17	05/15/17	05/17/17	48						
Region 2 Pueblo Headquarters	08/02/17	Inlet Protection	BMP not Implemented	08/04/17	None	08/09/17	120	120	NA	NA	Yes	NA	Corrective actions not properly installed/embedded per M208. Contractor requested a deferral due to adverse weather delay that was approved by PE/RWPCM on 8/09 when all corrective actions were properly installed. Project remained in compliance with CDOTs SCP during the period.
US 50, Wills Blvd to BNSF RR Crossing	08/08/17	Gravel Bag	Failure to maintain BMP per specification	08/10/17	None	08/11/17	24	24	NA	NA	No	NA	Project construction was complete in early August and contractor removed temporary BMPs prior to final WQ project walk through. Temporary BMPs were reinstalled per MAR until walk through was complete. Project remained in compliance with CDOTs SCP during the period.
US 40 Steamboat West	10/19/17	Concrete Washout Structure and Concrete Waste	BMP not Implemented	10/21/17	None	10/23/17	48	48	NA	NA	No	NA	My records indicate that the Concrete Washout, Leaks and Spills, and the Site Map findings CAs were addressed on 10/23, although through emails the contractor stated these three were completed on 10/21, but the PE had not entered them into CARL until 10/23. The only work done on the site on Saturday 10/21 was cleanup due to rainy weather, so the PE gave them until EOB on 10/23 to complete all CAs except the VTP which he entered as an interim action. The contractor restricted access in the areas of the findings until portable VTPs that were ordered came in. The VTP finding was delayed so long because they were waiting for a backordered item that ended up never coming in, the contractor just removed access to the areas in questions since a tracking pad was not possible. No LDs were assessed.
		Leaks and Spills	BMP not Implemented		None	10/23/17	48						
		SWMP Site Map	Administrative		None	10/23/17	48						
		Vehicle Tracking Pad	BMP not Implemented		11/01/17	11/02/17	24						
SH 119 Resurfacing and Culvert Repair County Line Rd to I-25	02/23/17	Silt Fence	Failure to maintain BMP per specification	02/25/17	None	02/27/17	48	48	none	none	No	NA	There is no justification for this one, looks like I just missed it. It's on our CARL report we generate each month but I have no notes regarding exceedance noted there. PE does not recall why correction wasn't done within 48 hr nor was an interim submitted.
US 287: SH 1 to LaPorte Bypass	03/10/17	Concrete Washout Structure and Concrete Waste	BMP not Implemented	03/12/17	None	03/21/17	216	216	none	none	Yes	none	Inspection occurred on Friday 3/10. All corrections except Concrete Waste finding completed by 3/14, within 2 working days. The concrete waste finding involved a sidewalk under active construction and PE mistakenly used as date for the corrective action the completion of the sidewalk, not removal of waste which was completed by 3/14.
		Concrete Washout Structure and Concrete Waste	BMP not Implemented	03/12/17	None	03/14/17	48						
		Erosion Logs	Failure to maintain BMP per specification	03/12/17	None	03/14/17	48						
		Temporary Berms	Failure to maintain BMP per specification	03/12/17	None	03/14/17	48						
		Temporary Stabilization	BMP not Implemented	03/12/17	None	03/14/17	48						
SH 119 Resurfacing and Culvert Repair County Line Rd to I-25	05/02/17	Final Stabilization	Failure to maintain BMP per specification	05/04/17	05/12/17	05/15/17	72	72	none	none	No	NA	Finding was for pre- walk through punch list for need to reseed certain areas prior to project acceptance due to poor germination. Areas were stable with mulch from prior seeding.

Acronyms:

BMP - Best Management Practices  
 CARL - Corrective Action Response Log  
 SWMP - Stormwater Management Plan  
 SW - Stop Work Order  
 LD - Liquidated Damages

SH - State Highway  
 N/A - Not Applicable  
 MAR - Monthly Audit Report  
 US - United States Highway  
 CA - Corrective Action

105 - CDOT form 105 Speed Memo  
 PE - Project Engineer  
 R.O.W. - Right of Way  
 ECS - Erosion Control Supervisor  
 SS 208-09 - State Specification 208.09 = Failure to Perform Erosion Control

VTP - Vehicle Tracking Pad  
 SEMA - A construction company's name

## **Attachment D\_AOC Item 71\_Construction Sites Program Update**

AOC # 71 says: "The update will include: (1) an escalation process to address chronic noncompliance by contractors, and (2) a mechanism to track chronic noncompliance by contractors."

### **Actions:**

1. CDOT convened an MS4 Construction Program Task Force (Task Force) comprised of two staff from each Region, at least one of whom was an RWPCM, and the MS4 Construction Program Manager. CDOT's Chief Engineer/Director of Stormwater Compliance empowered the Task Force to redefine the MS4 Construction Program to consistently and uniformly achieve MS4 Permit requirements and resolve findings from the spring 2015 EPA MS4 Permit audit.
2. The Task Force met two days per month from August 2016 through February 2017 to develop standard operating procedures (SOPs) to uniformly achieve Construction Sites Program requirements in the MS4 Permit and resolve Findings from the USEPA MS4 Permit CEI in spring 2015.
3. CDOT published the Task Force-developed SOPs in the *CDOT MS4 Construction Program Manual (Manual)*. The *Manual* was published to the CDOT Water Quality Program website on March 1, 2017 (<https://www.codot.gov/programs/environmental/water-quality/ms4-construction-program-manual-version-1.1>). The *Manual*, which CDOT believes to be the first of its kind in the United States for DOTs, is a ready reference for MS4 Construction Program compliance during project design, construction, close-out and Department-wide oversight monitoring.
4. Significant changes to CDOT's MS4 Construction Program, as directed by the *Manual*, include:
  - a. A required SWMP Preparer Certification for CDOT staff and contractors.
  - b. A required SWMP Reviewer Certification for CDOT staff.
  - c. Recommended revisions to *CDOT Standard Specifications for Road and Bridge Design*, Subsection 208.09, Failure to Perform Erosion Control. 208.09 is CDOT's regulatory authority for the MS4 Construction Program. The revised 208.09 will include escalation processes for severe and chronic violations, and recalcitrant violators and will elevate financial disincentives for MS4 Construction Program non-compliance to a level comparable with other DOTs in the region.
  - d. Internal monitoring by Headquarters staff of MS4 Construction Program requirements with an escalation process that escalates to the Director of Stormwater Compliance.
  - e. Third party audits of CDOT's MS4 Construction Program at least twice per MS4 Permit term.
5. CDOT staff that have roles within the *Manual* are implementing the procedures. Note that the MS4 Construction Manager is not authorized to unilaterally implement all changes to the MS4 Construction Program – particularly those that directly affect CDOT engineering sections. For example, proposed revisions to 208.09, CDOT's Regulatory Mechanism, must be reviewed by and presented to CDOT's Standards and Specifications Unit (SSU), CDOT's Project Development Advisory Committee (PDAC),

CDOT's Water Quality Advisory Committee (WQAC) and the joint CCA/CDOT Specification Committee.

6. To address the AOC item (1) an escalation process to address chronic noncompliance by contractors: To date, suggested revisions to *CDOT Standard Specifications for Road and Bridge Design*, Subsection 208.09, Failure to Perform Erosion Control, have been reviewed by the SSU and PDAC (mentioned above in #5). The WQAC (also in #5) just met on January 23, 2018 but had not met for a year before that. They were notified of the 208.09 changes as required by CDOT's MS4 Construction Manual. The revised 208.09 includes an escalation process to address chronic noncompliance, recalcitrant violators and severe findings. The new regulatory mechanism specification 208.09 is on the agenda for the next Specification Committee meeting in March 2018. Note that the revised 208.09 modifies the corrective action period from 48 hours to 7 calendar days, recognizing that the CDPS-SCP still requires violations be "implemented as soon as possible, immediately in most cases". The shift to a 7-day corrective action period is accompanied by a significant increase in disincentives and these disincentives are applied per individual finding, as opposed to one disincentive for all findings from one MS4 Construction Program routine audit. The shift to a 7 day corrective action period will modify the metric CDOT uses to report progress on AOC Item No. 70.
7. To address the AOC item (2) a mechanism to track chronic noncompliance by contractors: CDOT is fast-tracking completion of ESCAN 2.0 which is the Department's internal software package used to track the MS4 Construction Program. Notable components being tracked are:
  - MS4 routine audit
  - Audit findings
  - CDOT's regulatory mechanism
  - Specification changes
  - SWMP preparation
  - Review and approval
  - Training components
  - Internal oversight and monitoring of the MS4 Construction Program
  - Administrative functions

CDOT is programming ESCAN 2.0 to track internal noncompliance within the MS4 Construction Program and flag instances of noncompliance to be investigated by the MS4 Construction Program Manager with escalation of noncompliance if needed.

**Next Steps:** After 208.09 is approved and implemented and ESCAN is updated, HQ will track its effectiveness and report to Executive Management on a quarterly basis.

## Attachment E - AOC Item 72

2017 CDOT Permanent Water Quality Control Measure Inventory (All)  
AOC Submittal 1-31-2018

Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset	New
1	CO-002C-RS00008-EN001	Route 002C MM 17 INF FAC	1001	R1519-010	CRTE	STU 0021-032	Infiltration Facility	39.870701	-104.865001	IGA	Other Requirements - See Notes	COMMERCE CITY	15501	EN001	x
2	CO-006G-RS00023-EN001	Route 006G MM 273.2 EB INF FAC	1001	R1515-010	CRTE	NH-0062-020	Infiltration Facility	39.738871	-105.218328	No	CDOT MS4 Required	CDOT	15364	EN001	
3	CO-006G-RS00023-EN002	Route 006G MM 273.2 WB INF FAC	1001	R1515-010	CRTE	NH-0062-020	Infiltration Facility	39.739405	-105.218112	No	CDOT MS4 Required	CDOT	15364	EN002	
4	CO-006G-RS00023-EN003	Route 006G MM 273.3 EB INF FAC	1001	R1515-010	CRTE	NH-0062-020	Infiltration Facility	39.7371785	-105.216877	No	CDOT MS4 Required	CDOT	15364	EN003	
5	CO-006G-RS00023-EN004	Route 006G MM 273.4 WB INF FAC	1001	R1515-010	CRTE	NH-0062-020	Infiltration Facility	39.725325	-105.198912	No	CDOT MS4 Required	CDOT	15364	EN004	
6	CO-006G-RS00023-EN005	Route 006G MM 273.5 EB INF FAC	1001	R1515-010	CRTE	NH-0062-020	Infiltration Facility	39.734792	-105.214838	No	CDOT MS4 Required	CDOT	15364	EN005	
7	CO-006G-RS00023-EN006	Route 006G MM 274.0 EB Extd Det Basin	1001	R1515-010	CRTE	NH-0062-020	Ext Det Basin	39.72970052	-105.209156	No	CDOT MS4 Required	CDOT	15364	EN006	
8	CO-006G-RS00023-EN007	Route 006G MM 274.0 WB INF FAC	1001	R1515-010	CRTE	NH-0062-020	Infiltration Facility	39.729961	-105.208314	No	CDOT MS4 Required	CDOT	15364	EN007	
9	CO-006G-RS00024-EN001	Route 006G MM 274.6 WB INF FAC	1001	R1515-010	CRTE	NH-0062-020	Infiltration Facility	39.736392	-105.215535	No	CDOT MS4 Required	CDOT	15364	EN001	
10	CO-006G-RS00025-EN001	Route 006G MM 274.9 EB Extd Det Basin	1001	R1515-010	CRTE	NH-0062-020	Ext Det Basin	39.72490213	-105.1941476	No	CDOT MS4 Required	CDOT	15364	EN001	
11	CO-006G-RS00029-EN001	Route 006G MM 275.5 EB INF FAC	1001	R1516-010	CRTE	NH-0062-021	Infiltration Facility	39.725094	-105.182601	No	CDOT MS4 Required	CDOT	15365	EN001	
12	CO-006G-RS00030-EN001	Route 006G MM 276.3 WB INF FAC	1001	R1516-010	CRTE	NH-0062-021	Infiltration Facility	39.724923	-105.166328	No	CDOT MS4 Required	CDOT	15365	EN001	
13	CO-006G-RS00030-EN002	Route 006G MM 276.3 WB INF FAC	1001	R1516-010	CRTE	NH-0062-021	Infiltration Facility	39.725882	-105.166157	No	CDOT MS4 Required	CDOT	15365	EN002	
14	CO-006G-RS00031-EN001	Route 006G MM 276.4 EB INF FAC	1001	R1516-010	CRTE	NH-0062-021	Infiltration Facility	39.724921	-105.164599	No	CDOT MS4 Required	CDOT	15365	EN001	
15	CO-006G-RS00031-EN002	Route 006G MM 276.4 WB INF FAC	1001	R1516-010	CRTE	NH-0062-021	Infiltration Facility	39.725894	-105.164947	No	CDOT MS4 Required	CDOT	15365	EN002	
16	CO-006G-RS00033-EN001	Route 006G MM 278.7 WB INF FAC	1001	R1516-010	CRTE	NH-0062-021	Infiltration Facility	39.725607	-105.1230735	No	CDOT MS4 Required	CDOT	15365	EN001	
17	CO-007D-RS00004-EN001	Route 007D MM 64.144 INF FAC	1001	R1513-010	CRTE	SHE 007A-011	Infiltration Facility	40.000403	-105.095975	IGA	Other Requirements - See Notes	BOULDER COUNTY	16601	EN001	x
18	CO-007D-RS00004-EN002	Route 007D MM 64.144 SB Swale	1001	R1513-010	CRTE	SHE 007A-011	Treatment Swale	40.000502	-105.060171	IGA	Other Requirements - See Notes	BOULDER COUNTY	16601	EN002	x
19	CO-007D-RS00004-EN003	Route 007D MM 64.1 NB Swale	1001	R1513-010	CRTE	SHE 007A-011	Treatment Swale	40.000779	-105.060361	IGA	Other Requirements - See Notes	BOULDER COUNTY	16601	EN003	x
20	CO-025A-RS00216-EN001	Route 025A MM 180.19 Extd Det Basin	1001	R1524-010	CRTE	IM 0252-367	Ext Det Basin	39.352317	-104.870201	No	CDOT MS4 Required	CDOT	14598	EN001	
21	CO-025A-RS00216-EN002	Route 025A MM 180.616 Extd Det Basin	1001	R1524-010	CRTE	IM 0252-367	Ext Det Basin	39.362314	-104.866047	No	CDOT MS4 Required	CDOT	14598	EN002	
22	CO-025A-RS00216-EN003	Route 025A MM 180.808 Extd Det Basin	1001	R1524-010	CRTE	IM 0252-367	Ext Det Basin	39.365122	-104.866711	No	CDOT MS4 Required	CDOT	14598	EN003	
23	CO-025A-RS00218-EN001	Route 025A MM 182 NB Extd Det Basin	1001	R1525-010	CRTE	IM 0252-367	Ext Det Basin	39.383443	-104.860138	No	CDOT MS4 Required	CDOT	14598	EN001	
24	CO-025A-RS00218-EN002	Route 025A MM 182.4 NB INF FAC	1001	R1525-010	CRTE	IM 0252-367	Infiltration Facility	39.387936	-104.859954	No	CDOT MS4 Required	CDOT	14598	EN002	
25	CO-025A-RS00218-EN003	Route 025A MM 182.6 SB Swale	1001	R1525-010	CRTE	IM 0252-367	Treatment Swale	39.391427	-104.860058	No	CDOT MS4 Required	CDOT	14598	EN003	
26	CO-025A-RS00218-EN005	Route 025A MM 182.9 SB Swale	1001	R1525-010	CRTE	IM 0252-367	Treatment Swale	39.395605	-104.860485	No	CDOT MS4 Required	CDOT	14598	EN005	
27	CO-025A-RS00218-EN006	Route 025A MM 182.048 Swale	1001	R1525-010	CRTE	IM 0252-367	Treatment Swale	39.381916	-104.860767	No	CDOT MS4 Required	CDOT	14598	EN006	
28	CO-025A-RS00219-EN001	Route 025A MM 183.2 SB INF FAC	1001	R1525-010	CRTE	IM 0252-367	Infiltration Facility	39.399263	-104.861881	No	CDOT MS4 Required	CDOT	14598	EN001	
29	CO-025A-RS00219-EN002	Route 025A MM 183.4 SB Swale	1001	R1525-010	CRTE	IM 0252-367	Treatment Swale	39.403197	-104.863394	No	CDOT MS4 Required	CDOT	14598	EN002	
30	CO-025A-RS00219-EN003	Route 025A MM 183.6 SB Swale	1001	R1525-010	CRTE	IM 0252-367	Treatment Swale	39.404891	-104.864074	No	CDOT MS4 Required	CDOT	14598	EN003	
31	CO-025A-RS00219-EN004	Route 025A MM 183.8 SB Swale	1001	R1525-010	CRTE	IM 0252-367	Treatment Swale	39.407488	-104.865275	No	CDOT MS4 Required	CDOT	14598	EN004	
32	CO-025A-RS00219-EN005	Route 025A MM 183.9 SB Swale	1001	R1525-010	CRTE	IM 0252-367	Treatment Swale	39.409198	-104.866192	No	CDOT MS4 Required	CDOT	14598	EN005	
33	CO-025A-RS00219-EN006	Route 025A MM 183.561 Swale	1001	R1525-010	CRTE	IM 0252-367	Treatment Swale	39.388352	-104.860837	No	CDOT MS4 Required	CDOT	14598	EN006	
34	CO-025A-RS00219-EN007	Route 025A MM 183.523 NB Extd Det Basin	1001	R1525-010	CRTE	STA 086A-052	Ext Det Basin	39.404314	-104.861363	IGA	CDOT MS4 Required	CASTLE ROCK	19273	EN007	
35	CO-025A-RS00220-EN001	Route 025A MM 184.233 NB Extd Det Basin	1001	R1525-010	CRTE	IM 0252-367	Ext Det Basin	39.412156	-104.867096	No	CDOT MS4 Required	CDOT	14598	EN001	
36	CO-025A-RS00224-EN002	Route 025A MM 188.6 NB INF FAC	1001	R1525-010	CRTE	IM 0252-383	Infiltration Facility	39.473336	-104.872862	No	CDOT MS4 Required	CDOT	15555	EN002	
37	CO-025A-RS00226-EN001	Route 025A MM 189.918 NB Extd Det Basin	1001	R1525-010	CRTE	IM 0252-396	Ext Det Basin	39.492835	-104.872628	IGA	CDOT MS4 Required	DOUGLAS COUNTY	16025	EN001	
38	CO-025A-RS00226-EN002	Route 025A MM 189.725 SB Extd Det Basin	1001	R1525-010	CRTE	IM 0252-396	Ext Det Basin	39.491158	-104.873878	IGA	CDOT MS4 Required	CDOT	16025	EN002	
39	CO-025A-RS00226-EN003	Route 025A MM 189.301 NB Extd Det Basin	1001	R1525-010	CRTE	IM 0252-396	Ext Det Basin	39.485417	-104.871511	IGA	CDOT MS4 Required	DOUGLAS COUNTY	16025	EN003	
40	CO-025A-RS00227-EN001</														

**Attachment E - AOC Item 72**  
 2017 CDOT Permanent Water Quality Control Measure Inventory (All)  
 AOC Submittal 1-31-2018

Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset	New
76	CO-025A-RS00257-EN002	Route 025A MM 210.46 NB INL VLT	1001	R1504-010	CRTE	BR R600-267	Inlet/Vault/Prop Str	39.742901	-105.015110	43-2-135	CDOT MS4 Required	CDOT	16212	EN002	
78	CO-025A-RS00257-EN003	Route 025A MM 210.718 NB INL VLT	1001	R1504-010	CRTE	BR R600-267	Inlet/Vault/Prop Str	39.745724	-105.017037	43-2-135	CDOT MS4 Required	CDOT	16212	EN003	
79	CO-025A-RS00257-EN004	Route 025A MM 210.94 NB INL VLT	1001	R1504-010	CRTE	BR R600-267	Inlet/Vault/Prop Str	39.749188	-105.017343	43-2-135	CDOT MS4 Required	CDOT	16212	EN004	
80	CO-025A-RS00257-EN005	Route 025A MM 210.94 NB INL VLT	1001	R1504-010	CRTE	BR R600-267	Inlet/Vault/Prop Str	39.749659	-105.017149	43-2-135	CDOT MS4 Required	CDOT	16212	EN005	
81	CO-025A-RS00257-EN006	Route 025A MM 210.426 SB INL VLT	1001	R1504-010	CRTE	BR R600-267	Inlet/Vault/Prop Str	39.742055	-105.015450	43-2-135	CDOT MS4 Required	CDOT	16212	EN006	
82	CO-025A-RS00257-EN007	Route 025A MM 210.426 SB INL VLT	1001	R1504-010	CRTE	BR R600-267	Inlet/Vault/Prop Str	39.742161	-105.015190	43-2-135	CDOT MS4 Required	CDOT	16212	EN007	
83	CO-025A-RS00257-EN008	Route 025A MM 210.36 SB INL VLT	1001	R1504-010	CRTE	BR R600-267	Inlet/Vault/Prop Str	39.741261	-105.014602	43-2-135	CDOT MS4 Required	CDOT	16212	EN008	
84	CO-025A-RS00257-EN009	Route 025A MM 210.311 SB INL VLT	1001	R1504-010	CRTE	BR R600-267	Inlet/Vault/Prop Str	39.740744	-105.014416	43-2-135	CDOT MS4 Required	CDOT	16212	EN009	
85	CO-025A-RS00258-EN001	Route 025A MM 211.5 SB Extd Det Basin	1001	R1504-010	CRTE	IM R600-224	Ext Det Basin	39.75632153	-105.0118397	43-2-135	CDOT MS4 Required	CDOT	1416814777	EN001	
86	CO-025A-RS00258-EN002	Route 025A MM 211.5 SB Extd Det Basin	1001	R1504-010	CRTE	IM R600-225	Ext Det Basin	39.755081	-105.013678	43-2-135	CDOT MS4 Required	CDOT	1416914777	EN002	
87	CO-025A-RS00259-EN001	Route 025A MM 212.078 SB INL VLT	1001	R1504-010	CRTE	IM 0252-387	Inlet/Vault/Prop Str	39.760372	-105.006180	IGA	CDOT MS4 Required	DENVER	15790	EN001	
88	CO-025A-RS00266-EN001	Route 025A MM 217.006 NB Extd Det Basin	1001	R1511-010	CRTE	IM 0253-222	Ext Det Basin	39.828313	-104.981611	IGA	CDOT MS4 Required	CDOT	18695	EN001	
89	CO-025A-RS00268-EN001	Route 025A MM 218.5 SB Extd Det Basin	1001	R1511-010	CRTE	FBR 0253-2009	Ext Det Basin	39.849682	-104.985995	43-2-135	CDOT MS4 Required	CDOT	17535	EN001	
90	CO-025A-RS00268-EN002	Route 025A MM 218.463 NB Extd Det Basin	1001	R1511-010	CRTE	FBR 0253-2009	Ext Det Basin	39.849512	-104.985322	43-2-135	CDOT MS4 Required	CDOT	17535	EN002	
91	CO-025A-RS00268-EN003	Route 025A MM 218.435 WB Swale	1001	R1511-010	CRTE	FBR 0253-2009	Treatment Swale	39.849265	-104.981859	43-2-135	CDOT MS4 Required	THORNTON	17535	EN003	
92	CO-025A-RS00272-EN001	Route 025A MM 221.027 Swale	1001	R1511-010	CRTE	BRO 253-198	Treatment Swale	39.885071	-104.987197	No	CDOT MS4 Required	CDOT	16170	EN001	
93	CO-025A-RS00272-EN002	Route 025A MM 221.062 Swale	1001	R1511-010	CRTE	BRO 253-198	Treatment Swale	39.885854	-104.987259	No	CDOT MS4 Required	CDOT	16170	EN002	
94	CO-025A-RS00272-EN003	Route 025A MM 221.062 Swale	1001	R1511-010	CRTE	BRO 253-198	Treatment Swale	39.886911	-104.988204	No	CDOT MS4 Required	CDOT	16170	EN003	
95	CO-025A-RS00272-EN004	Route 025A MM 221.062 Swale	1001	R1511-010	CRTE	BRO 253-198	Treatment Swale	39.886007	-104.987825	No	CDOT MS4 Required	CDOT	16170	EN004	
96	CO-025A-RS00272-EN005	Route 025A MM 221.027 Swale	1001	R1511-010	CRTE	BRO 253-198	Treatment Swale	39.885088	-104.987919	No	CDOT MS4 Required	CDOT	16170	EN005	
97	CO-025A-RS00273-EN001	Route 025A MM 222.952 SB INF FAC	1001	R1511-010	CRTE	IM 0253-173	Infiltration Facility	39.913163	-104.990531	43-2-135	Other Requirements - See Notes	CDOT	13622	EN001	
98	CO-025A-RS00273-EN002	Route 025A MM 222.952 NB Const WL	1001	R1511-010	CRTE	IM 0253-173	Const Wetland	39.912548	-104.989552	43-2-135	Other Requirements - See Notes	CDOT	13622	EN002	
99	CO-025A-RS00280-EN001	Route 025A MM 224.2 NB WQ INL VLT	1001	R1513-010	CRTE	BR0253-192	Inlet/Vault/Prop Str	39.928453	-104.985222	IGA	Other Requirements - See Notes	THORNTON	15573	EN001	x
100	CO-025A-RS00280-EN002	Route 025A MM 224.2 NB WQ INL VLT	1001	R1513-010	CRTE	BR0253-192	Inlet/Vault/Prop Str	39.92864	-104.98524	IGA	Other Requirements - See Notes	THORNTON	15573	EN002	x
101	CO-025A-RS00280-EN003	Route 025A MM 224.2 NB WQ INL VLT	1001	R1513-010	CRTE	BR0253-192	Inlet/Vault/Prop Str	39.928626	-104.989947	IGA	Other Requirements - See Notes	WESTMINSTER	15573	EN003	x
102	CO-025A-RS00400-EN001	Route 025A MM181.234 Extd Det Basin	1001	R1524-010	CRTE	IM 0252-383	Ext Det Basin	39.371812	-104.864369	No	CDOT MS4 Required	CDOT	15555	EN001	
103	CO-025A-RS00400-EN002	Route 025A MM 181.234 Swale	1001	R1524-010	CRTE	IM 0252-383	Treatment Swale	39.372751	-104.863269	No	CDOT MS4 Required	CDOT	15555	EN002	
104	CO-025A-RS00400-EN003	Route 025A MM 181.234 Swale	1001	R1524-010	CRTE	IM 0252-383	Treatment Swale	39.372864	-104.863225	No	CDOT MS4 Required	CDOT	15555	EN003	
105	CO-025A-RS00400-EN004	Route 025A MM 181.234 Swale	1001	R1524-010	CRTE	IM 0252-383	Treatment Swale	39.373033	-104.863192	No	CDOT MS4 Required	CDOT	15555	EN004	
106	CO-025A-RS00400-EN005	Route 025A MM 181.465 Swale	1001	R1524-010	CRTE	IM 0252-383	Treatment Swale	39.373196	-104.863124	No	CDOT MS4 Required	CDOT	15555	EN005	
107	CO-025A-RS00400-EN006	Route 025A MM 181.465 Swale	1001	R1524-010	CRTE	IM 0252-383	Treatment Swale	39.373567	-104.863019	No	CDOT MS4 Required	CDOT	15555	EN006	
108	CO-025A-RS00400-EN007	Route 025A MM 181.465 Swale	1001	R1524-010	CRTE	IM 0252-383	Treatment Swale	39.373993	-104.862881	No	CDOT MS4 Required	CDOT	15555	EN007	
109	CO-025A-RS00400-EN008	Route 025A MM 181.234 Swale	1001	R1524-010	CRTE	IM 0252-383	Treatment Swale	39.374239	-104.862839	No	CDOT MS4 Required	CDOT	15555	EN008	
110	CO-030A-RS00006-EN001	Route 030A MM 3.093 SB INF FAC	1001	R1518-010	CRTE	FBR 030A-029	Infiltration Facility	39.660341	-104.866693	43-2-135	CDOT MS4 Required	DENVER	18081	EN001	
111	CO-030A-RS00006-EN002	Route 030A MM 3.0 SB INF FAC	1001	R1518-010	CRTE	FBR 030A-029	Infiltration Facility	39.658996	-104.866759	43-2-135	CDOT MS4 Required	DENVER	18081	EN002	
112	CO-040C-RS00031-EN001	Route 040C MM 291.303 EB INL VLT	1001	R1505-010	CRTE	STU M760-021	Inlet/Vault/Prop Str	39.740076	-105.112048	IGA	CDOT MS4 Required	LAKEWOOD	16264	EN001	
113	CO-040C-RS00031-EN002	Route 040C MM 291.523 EB INL VLT	1001	R1505-010	CRTE	STU M760-021	Inlet/Vault/Prop Str	39.740072	-105.107364	IGA	CDOT MS4 Required	LAKEWOOD	16264	EN002	
114	CO-040C-RS00052-EN001	Route 040C MM 308.865 EB INF FAC	1001	R1510-010	CRTE	FBR 0404-050	Infiltration Facility	39.739901	-104.782315	43-2-135	CDOT MS4 Required	AURORA			

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2017 CDOT Permanent Water Quality Control Measure Inventory (All)  
AOC Submittal 1-31-2018

Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset	New
152	CO-076A-RS00018-EN006	Route 076A MM 7.4 EB INF FAC	1001	R1519-010	CRTE	FBR 0761-209	Infiltration Facility	39.824992	-104.953161	43-2-135	Other Requirements - See Notes	CDOT	18070	EN006	x
154	CO-076A-RS00019-EN001	Route 076A MM 8.00 Swale	1001	R1519-010	CRTE	FBR 0761-209	Treatment Swale	39.833877	-104.938773	43-2-135	Other Requirements - See Notes	CDOT	18070	EN001	
155	CO-076A-RS00019-EN002	Route 076A MM 8.00 Swale	1001	R1519-010	CRTE	ES6 0761-201	Treatment Swale	39.831528	-104.941647	43-2-135	Other Requirements - See Notes	CDOT	17248	EN002	
156	CO-076A-RS00019-EN003	Route 076A MM 8.00 Extd Det Basin	1001	R1519-010	CRTE	ES6 0761-201	Ext Det Basin	39.830311	-104.943072	43-2-135	Non-MS4 Detention Required	CDOT	17248	EN003	
157	CO-076A-RS00019-EN004	Route 076A MM 8.00 Swale	1001	R1519-010	CRTE	ES6 0761-201	Treatment Swale	39.830573	-104.941068	43-2-135	Other Requirements - See Notes	CDOT	17248	EN004	
158	CO-076A-RS00019-EN005	Route 076A MM 8.00 Extd Det Basin	1001	R1519-010	CRTE	ES6 0761-201	Ext Det Basin	39.833051	-104.938582	43-2-135	Non-MS4 Detention Required	CDOT	17248	EN005	
159	CO-076A-RS00019-EN006	Route 076A MM 8.00 Swale	1001	R1519-010	CRTE	ES6 0761-201	Treatment Swale	39.829351	-104.942728	43-2-135	Other Requirements - See Notes	CDOT	17248	EN006	
160	CO-076A-RS00019-EN008	Route 076A MM 8.00 Swale	1001	R1519-010	CRTE	ES6 0761-201	Treatment Swale	39.829417	-104.944343	43-2-135	Other Requirements - See Notes	CDOT	17248	EN008	
161	CO-076A-RS00019-EN009	Route 076A MM 8.00 Swale	1001	R1519-010	CRTE	ES6 0761-201	Treatment Swale	39.827598	-104.945098	43-2-135	Other Requirements - See Notes	CDOT	17248	EN009	
162	CO-076A-RS00028-EN001	Route 076A MM 12.748 WB Extd Det Basin	1001	R1519-010	CRTE	FBR 0761-211	Ext Det Basin	39.881531	-104.882145	43-2-135	CDOT MS4 Required	CDOT	18151	EN001	
163	CO-076A-RS00033-EN001	Route 076A MM 15 SB INF FAC	1001	R1519-010	CRTE	FBR 0761-210	Infiltration Facility	39.897244	-104.846941	43-2-135	CDOT MS4 Required	CDOT	18152	EN001	
164	CO-076A-RS00035-EN001	Route 076A MM 16.367 EB INL VLT	1001	R1519-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.907984	-104.826519	43-2-135	Other Requirements - See Notes	CDOT	16495	EN001	x
165	CO-076A-RS00035-EN002	Route 076A MM 16.708 EB INL VLT	1001	R1519-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.911061	-104.821187	43-2-135	Other Requirements - See Notes	CDOT	16495	EN002	x
166	CO-076A-RS00036-EN003	Route 076A MM 16.954 EB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.912893	-104.818551	43-2-135	Other Requirements - See Notes	CDOT	16495	EN003	x
167	CO-076A-RS00040-EN001	Route 076A MM 17.386 WB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.917427	-104.812323	43-2-135	CDOT MS4 Required	CDOT	16495	EN001	
168	CO-076A-RS00040-EN002	Route 076A MM 17.6 WB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.919945	-104.809391	43-2-135	CDOT MS4 Required	CDOT	16495	EN002	
169	CO-076A-RS00041-EN001	Route 076A MM 18 EB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.924142	-104.804506	43-2-135	CDOT MS4 Required	CDOT	16495	EN001	
170	CO-076A-RS00041-EN002	Route 076A MM 18.2 WB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.927053	-104.801115	43-2-135	CDOT MS4 Required	CDOT	16495	EN002	
171	CO-076A-RS00041-EN003	Route 076A MM 18.3 WB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.927556	-104.800531	43-2-135	CDOT MS4 Required	CDOT	16495	EN003	
172	CO-076A-RS00041-EN004	Route 076A MM 18.9 WB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.933641	-104.793343	43-2-135	CDOT MS4 Required	CDOT	16495	EN004	
173	CO-076A-RS00042-EN001	Route 076A MM 19.28 WB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.937885	-104.788692	43-2-135	CDOT MS4 Required	CDOT	16495	EN001	
174	CO-076A-RS00042-EN002	Route 076A MM 19.502 WB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.941108	-104.786208	43-2-135	CDOT MS4 Required	CDOT	16495	EN002	
175	CO-076A-RS00042-EN003	Route 076A MM 19.723 WB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.943928	-104.784116	43-2-135	CDOT MS4 Required	CDOT	16495	EN003	
176	CO-076A-RS00044-EN001	Route 076A MM 21.522 EB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.962956	-104.761497	43-2-135	CDOT MS4 Required	CDOT	16495	EN001	
177	CO-076A-RS00044-EN002	Route 076A MM 21.113 EB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.967726	-104.756187	43-2-135	CDOT MS4 Required	CDOT	16495	EN002	
178	CO-076A-RS00044-EN003	Route 076A MM 22.381 EB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.959878	-104.767561	43-2-135	CDOT MS4 Required	CDOT	16495	EN003	x
179	CO-076A-RS00045-EN002	Route 076A MM 22.381 EB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.972019	-104.751693	43-2-135	CDOT MS4 Required	CDOT	16495	EN002	
180	CO-076A-RS00225-EN001	Route 076A MM 20.117 WB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.948757	-104.779621	43-2-135	CDOT MS4 Required	CDOT	16495	EN001	
181	CO-076A-RS00226-EN001	Route 076A MM 20.411 WB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.951882	-104.776323	43-2-135	CDOT MS4 Required	CDOT	16495	EN001	x
182	CO-076A-RS00226-EN002	Route 076A MM 20.345 WB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.950701	-104.777571	43-2-135	CDOT MS4 Required	CDOT	16495	EN002	
183	CO-083A-RS00047-EN001	Route 083A MM 40.42 NB INF FAC	1001	R1503-010	CRTE	STA 0831-099	Infiltration Facility	39.260752	-104.703138	No	Other/CherryCreekBasinAuthority	CDOT	15283	EN001	
184	CO-083A-RS00047-EN002	Route 083A MM 40.44 SB INF FAC	1001	R1503-010	CRTE	STA 0831-099	Infiltration Facility	39.260397	-104.703327	No	Other/CherryCreekBasinAuthority	CDOT	15283	EN002	
185	CO-083A-RS00047-EN003	Route 083A MM 40.44 SB INF FAC	1001	R1503-010	CRTE	STA 0831-099	Infiltration Facility	39.260867	-104.703725	No	Other/CherryCreekBasinAuthority	CDOT	15283	EN003	
186	CO-083A-RS00047-EN004	Route 083A MM 40.45 SB INF FAC	1001	R1503-010	CRTE	STA 0831-099	Infiltration Facility	39.261005	-104.703842	No	Other/CherryCreekBasinAuthority	CDOT	15283	EN004	
187	CO-083A-RS00047-EN005	Route 083A MM 40.45 SB INF FAC	1001	R1503-010	CRTE	STA 0831-099	Infiltration Facility	39.261551	-104.705248	No	Other/CherryCreekBasinAuthority	CDOT	15283	EN005	
188	CO-083A-RS00047-EN006	Route 083A MM 40.55 SB INF FAC	1001	R1503-010	CRTE	STA 0831-099	Infiltration Facility	39.261595	-104.705438	No	Other/CherryCreekBasinAuthority	CDOT	15283	EN006	
189	CO-083A-RS00047-EN007	Route 083A MM 40.55 SB INF FAC	1001	R1503-010	CRTE	STA 0831-099	Infiltration Facility	39.261668	-104.706081	No	Other/CherryCreekBasinAuthority	CDOT	15283	EN007	
190	CO-083A-RS00047-EN008	Route 083A MM 40													

## Attachment E - AOC Item 72

2017 CDOT Permanent Water Quality Control Measure Inventory (All)  
AOC Submittal 1-31-2018

Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset	New
228	CO-088B-RS00008-EN002	Route 088B MM 16.9 WB INL VLT	1001	R1518-010	CRTE	IM 0881-021	Inlet/Vault/Prop Str	39.594943	-104.885575	43-2-135	CDOT MS4 Required	GREENWOOD VILLAGE	16555	EN002	
230	CO-088B-RS00008-EN003	Route 088B MM 16.91 WB INL VLT	1001	R1518-010	CRTE	IM 0881-021	Inlet/Vault/Prop Str	39.594857	-104.885921	43-2-135	CDOT MS4 Required	GREENWOOD VILLAGE	16555	EN003	
231	CO-088B-RS00008-EN004	Route 088B MM 16 WB INL VLT	1001	R1518-010	CRTE	IM 0881-021	Inlet/Vault/Prop Str	39.595063	-104.888573	43-2-135	CDOT MS4 Required	GREENWOOD VILLAGE	16555	EN004	
232	CO-088B-RS00008-EN005	Route 088B MM 16.3 WB INL VLT	1001	R1518-010	CRTE	IM 0881-021	Inlet/Vault/Prop Str	39.594974	-104.887705	43-2-135	CDOT MS4 Required	GREENWOOD VILLAGE	16555	EN005	
233	CO-095A-RS00020-EN001	Route 095A MM 5.121 SB Extd Det Basin	1001	R1505-010	CRTE	FBR 006A-049	Ext Det Basin	39.728097	-105.053556	43-2-135	CDOT MS4 Required	LAKEWOOD	18154	EN001	
234	CO-095A-RS00039-EN002	Route 095A MM 10.185 SB INL VLT	1001	R1505-010	CRTE	BR 095A-011	Inlet/Vault/Prop Str	39.799941	-105.053406	IGA	CDOT MS4 Required	ARVADA	18082	EN002	
235	CO-095A-RS00058-EN001	Route 095A MM 10.5 SB INL VLT	1001	R1505-010	CRTE	BR 095A-011	Inlet/Vault/Prop Str	39.804825	-105.053165	IGA	CDOT MS4 Required	ARVADA	18082	EN001	
236	CO-121A-RS00006-EN001	Route 121A MM 4.266 SB Extd Det Basin	1001	R1517-010	CRTE	STA 1211-067	Ext Det Basin	39.608749	-105.091713	IGA	CDOT MS4 Required	JEFFERSON COUNTY	15938	EN001	
237	CO-121A-RS00020-EN001	Route 121A MM 7.55 SB INL VLT	1001	R1517-010	CRTE	BR 2854-113	Inlet/Vault/Prop Str	39.653881	-105.081554	43-2-135	CDOT MS4 Required	CDOT	15577	EN001	
238	CO-121A-RS00024-EN001	Route 121A MM 8.439 SB INF FAC	1001	R1517-010	CRTE	FBR 1211-078	Infiltration Facility	39.666282	-105.082098	43-2-135	CDOT MS4 Required	LAKEWOOD	18220	EN001	
239	CO-121A-RS00035-EN001	Route 121A MM 14.868 SB INL VLT	1001	R1505-010	CRTE	STE 1211-077	Inlet/Vault/Prop Str	39.758716	-105.081661	IGA	CDOT MS4 Required	WHEAT RIDGE	18096	EN001	
240	CO-121A-RS00036-EN001	Route 121A MM 15.123 SB INL VLT	1001	R1505-010	CRTE	STE 1211-077	Inlet/Vault/Prop Str	39.761988	-105.081625	IGA	CDOT MS4 Required	WHEAT RIDGE	18096	EN001	
241	CO-121A-RS00044-EN001	Route 121A MM 19.86 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.830313	-105.081331	IGA	CDOT MS4 Required	ARVADA	16464	EN001	
242	CO-121A-RS00044-EN002	Route 121A MM 19.908 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.831278	-105.081372	IGA	CDOT MS4 Required	ARVADA	16464	EN002	
243	CO-121A-RS00045-EN001	Route 121A MM 20 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.832329	-105.081398	IGA	CDOT MS4 Required	ARVADA	16464	EN001	
244	CO-121A-RS00045-EN002	Route 121A MM 20.049 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.833021	-105.081412	IGA	CDOT MS4 Required	ARVADA	16464	EN002	
245	CO-121A-RS00045-EN003	Route 121A MM 20.1 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.833815	-105.081441	IGA	CDOT MS4 Required	ARVADA	16464	EN003	
246	CO-121A-RS00045-EN004	Route 121A MM 20.112 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.834043	-105.081433	IGA	CDOT MS4 Required	ARVADA	16464	EN004	
247	CO-121A-RS00045-EN005	Route 121A MM 20.147 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.834653	-105.081448	IGA	CDOT MS4 Required	ARVADA	16464	EN005	
248	CO-121A-RS00045-EN006	Route 121A MM 20.174 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.835114	-105.081468	IGA	CDOT MS4 Required	ARVADA	16464	EN006	
249	CO-121A-RS00045-EN007	Route 121A MM 20.246 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.836411	-105.081509	IGA	CDOT MS4 Required	ARVADA	16464	EN007	
250	CO-121A-RS00045-EN008	Route 121A MM 20.345 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.837371	-105.081541	IGA	CDOT MS4 Required	ARVADA	16464	EN008	
251	CO-121A-RS00045-EN009	Route 121A MM 20.345 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.837715	-105.081594	IGA	CDOT MS4 Required	ARVADA	16464	EN009	
252	CO-121A-RS00045-EN010	Route 121A MM 20.375 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.837971	-105.081546	IGA	CDOT MS4 Required	ARVADA	16464	EN010	
253	CO-121A-RS00045-EN011	Route 121A MM 20.448 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.839198	-105.081573	IGA	CDOT MS4 Required	ARVADA	16464	EN011	
254	CO-121A-RS00045-EN012	Route 121A MM 20.553 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.840572	-105.081648	IGA	CDOT MS4 Required	ARVADA	16464	EN012	
255	CO-121A-RS00045-EN013	Route 121A MM 20.553 NB INF FAC	1001	R1514-010	CRTE	STE M040-014	Infiltration Facility	39.840866	-105.081598	IGA	CDOT MS4 Required	ARVADA	16464	EN013	
256	CO-128A-RS00018-EN001	Route 128A MM 6.144 WB Extd Det Basin	1001	R1514-010	CRTE	CC 128-013	Ext Det Basin	39.918563	-105.131497	IGA	CDOT MS4 Required	BROOMFIELD	18792	EN001	
257	CO-128A-RS00019-EN001	Route 128A MM 7.973 NB Extd Det Basin	1001	R1514-010	CRTE	SHO M145-006	Ext Det Basin	39.913517	-105.098208	43-2-135	CDOT MS4 Required	CDOT	14416	EN001	
258	CO-128A-RS00021-EN001	Route 128A MM 8.3 WB Extd Det Basin	1001	R1513-010	CRTE	STA C800-001	Ext Det Basin	39.912604	-105.091098	IGA	CDOT MS4 Required	BROOMFIELD	16501	EN001	
259	CO-128A-RS00021-EN002	Route 128A MM 8.678 EB Extd Det Basin	1001	R1513-010	CRTE	STA C800-001	Ext Det Basin	39.909829	-105.081441	IGA	CDOT MS4 Required	BROOMFIELD	16501	EN002	
260	CO-177A-RS00006-EN001	Route 177A MM 2.00 Extd Det Basin	1001	R1522-010	CRTE	STU M193-001	Ext Det Basin	39.59623279	-104.9587149	IGA	CDOT MS4 Required	CDOT	1369816999	EN001	
261	CO-224A-RS00002-EN001	Route 224A MM 1.3 EB Extd Det Basin	1001	R1519-010	CRTE	C 2706-033	Ext Det Basin	39.825733	-104.967698	43-2-135	Other Requirements - See Notes	CDOT	13579	EN001	x
262	CO-224A-RS00002-EN002	Route 224A MM 1.3 EB INF FAC	1001	R1519-010	CRTE	C 2706-033	Infiltration Facility	39.825991	-104.968239	43-2-135	Other Requirements - See Notes	CDOT	13579	EN002	x
263	CO-225A-RS00001-EN001	Route 225A MM 0.231 SB Extd Det Basin	1001	R1520-010	CRTE	NH 0252-299	Ext Det Basin	39.635279	-104.904749	IGA	CDOT MS4 Required	CDOT	11584	EN001	
264	CO-225A-RS00002-EN001	Route 225A MM 1.049 Extd Det Basin	1001	R1520-010	CRTE	STA 2706-034	Ext Det Basin	39.63631757	-104.8929871	IGA	CDOT MS4 Required	CDOT	11584	EN001	
265	CO-225A-RS00008-EN001	Route 225A MM 4.039 NB INF FAC	1001	R1520-010	CRTE	IM 2254-076	Infiltration Facility	39.658889	-104.841165	IGA	CDOT MS4 Required	CDOT	17083	EN001	
266	CO-225A-RS00008-EN002	Route 225A MM 4.255 NB INF FAC	1001	R1520-010	CRTE	IM 2254-076	Infiltration Facility	39.660441	-104.838648	IGA	CDOT MS4 Required	CDOT	17083	EN002	
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Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset	New
304	CO-270A-RS00005-EN008	Route 270A MM 3.64 WB INF FAC	1001	R1512-010	CRTE	STA 2706-034	Infiltration Facility	39.79237226	-104.9114077	43-2-135	CDOT MS4 Required	CDOT	14234	EN008	
306	CO-270A-RS00005-EN009	Route 270A MM 3.72 EB INF FAC	1001	R1512-010	CRTE	STA 2706-034	Infiltration Facility	39.79135487	-104.9105266	43-2-135	CDOT MS4 Required	CDOT	14234	EN009	
307	CO-270A-RS00005-EN010	Route 270A MM 3.72 WB INF FAC	1001	R1512-010	CRTE	STA 2706-034	Infiltration Facility	39.79170724	-104.9102052	43-2-135	CDOT MS4 Required	CDOT	14234	EN010	
308	CO-270A-RS00005-EN011	Route 270A MM 3.83 EB INF FAC	1001	R1512-010	CRTE	STA 2706-034	Infiltration Facility	39.79038475	-104.9088351	43-2-135	CDOT MS4 Required	CDOT	14234	EN011	
309	CO-270A-RS00005-EN012	Route 270A MM 3.96 EB INF FAC	1001	R1512-010	CRTE	STA 2706-034	Infiltration Facility	39.78923668	-104.9068265	43-2-135	CDOT MS4 Required	CDOT	14234	EN012	
310	CO-270A-RS00005-EN013	Route 270A MM 3.015 EB INL VLT	1001	R1512-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.794612	-104.921501	43-2-135	CDOT MS4 Required	CDOT	18022	EN013	
311	CO-270A-RS00006-EN001	Route 270A MM 4.07 EB INF FAC	1001	R1512-010	CRTE	STA 2706-034	Infiltration Facility	39.78830863	-104.9051105	43-2-135	CDOT MS4 Required	CDOT	14234	EN001	
312	CO-270A-RS00006-EN002	Route 270A MM 4.15 EB INF FAC	1001	R1512-010	CRTE	STA 2706-034	Infiltration Facility	39.78753071	-104.9041523	43-2-135	CDOT MS4 Required	CDOT	14234	EN002	
313	CO-270A-RS00007-EN001	Route 270A MM 4.736 SB Extd Det Basin	1001	R1512-010	CRTE	ES6 C010-013	Ext Det Basin	39.784895	-104.898741	IGA	CDOT MS4 Required	DENVER	17334	EN001	
314	CO-270A-RS00008-EN001	Route 270A MM 5.3 EB INF FAC	1001	R1512-010	CRTE	ES6 C010-013	Infiltration Facility	39.776671	-104.889386	IGA	CDOT MS4 Required	CDOT	17334	EN001	
315	CO-270B-RS00001-EN001	Route 270B MM 0.09 INF FAC	1001	R1512-010	CRTE	C 2706-033	Infiltration Facility	39.825001	-104.967443	43-2-135	Other Requirements - See Notes	CDOT	13579	EN001	
316	CO-270B-RS00001-EN002	Route 270B MM 0.4 WB INL VLT	1001	R1512-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.827565	-104.974964	43-2-135	CDOT MS4 Required	CDOT	18022	EN002	
317	CO-270B-RS00001-EN003	Route 270B MM 0.4 WB INL VLT	1001	R1512-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.827503	-104.974285	43-2-135	CDOT MS4 Required	CDOT	18022	EN003	
318	CO-270B-RS00001-EN004	Route 270B MM 0.522 WB INL VLT	1001	R1512-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.827172	-104.972185	43-2-135	CDOT MS4 Required	CDOT	18022	EN004	
319	CO-270B-RS00001-EN005	Route 270B MM 0.522 WB INL VLT	1001	R1512-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.827311	-104.972941	43-2-135	CDOT MS4 Required	CDOT	18022	EN005	
320	CO-270B-RS00001-EN006	Route 270B MM 0.6 WB INL VLT	1001	R1512-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.826965	-104.971272	43-2-135	CDOT MS4 Required	CDOT	18022	EN006	
321	CO-270B-RS00001-EN007	Route 270B MM 0.627 WB INL VLT	1001	R1512-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.826721	-104.970389	43-2-135	CDOT MS4 Required	CDOT	18022	EN007	
322	CO-270B-RS00001-EN008	Route 270B MM 0.986 SB INF FAC	1001	R1512-010	CRTE	C 2706-033	Infiltration Facility	39.824244	-104.966046	43-2-135	Other Requirements - See Notes	CDOT	13579	EN008	
323	CO-285D-RS00103-EN001	Route 285D MM 250.799 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.638943	-105.151999	43-2-135	CDOT MS4 Required	CDOT	18022	EN001	
324	CO-285D-RS00103-EN002	Route 285D MM 250.607 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.638721	-105.153955	43-2-135	CDOT MS4 Required	CDOT	18022	EN002	
325	CO-285D-RS00103-EN003	Route 285D MM 250.516 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.638443	-105.156378	43-2-135	CDOT MS4 Required	CDOT	18022	EN003	
326	CO-285D-RS00103-EN004	Route 285D MM 250.439 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.638261	-105.157995	43-2-135	CDOT MS4 Required	CDOT	18022	EN004	
327	CO-285D-RS00103-EN005	Route 285D MM 250.3 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.637878	-105.161299	43-2-135	CDOT MS4 Required	CDOT	18022	EN005	
328	CO-285D-RS00103-EN006	Route 285D MM 250.272 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.637857	-105.161489	43-2-135	CDOT MS4 Required	CDOT	18022	EN006	
329	CO-285D-RS00103-EN007	Route 285D MM 250.272 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.637829	-105.161806	43-2-135	CDOT MS4 Required	CDOT	18022	EN007	
330	CO-285D-RS00103-EN008	Route 285D MM 250.191 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.637604	-105.163772	43-2-135	CDOT MS4 Required	CDOT	18022	EN008	
331	CO-285D-RS00104-EN001	Route 285D MM 251.937 EB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.642867	-105.132798	43-2-135	CDOT MS4 Required	CDOT	18022	EN001	
332	CO-285D-RS00104-EN002	Route 285D MM 251.7 EB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.640303	-105.136513	43-2-135	CDOT MS4 Required	CDOT	18022	EN002	
333	CO-285D-RS00104-EN003	Route 285D MM 251.416 EB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.639221	-105.140495	43-2-135	CDOT MS4 Required	CDOT	18022	EN003	
334	CO-285D-RS00104-EN004	Route 285D MM 251.312 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.639184	-105.143304	43-2-135	CDOT MS4 Required	CDOT	18022	EN004	
335	CO-285D-RS00105-EN001	Route 285D MM 252.9 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.651882	-105.119919	43-2-135	CDOT MS4 Required	CDOT	18022	EN001	
336	CO-285D-RS00105-EN002	Route 285D MM 252.74 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.650218	-105.122277	43-2-135	CDOT MS4 Required	CDOT	18022	EN002	
337	CO-285D-RS00105-EN003	Route 285D MM 252.6 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.649103	-105.123888	43-2-135	CDOT MS4 Required	CDOT	18022	EN003	
338	CO-285D-RS00105-EN004	Route 285D MM 252.339 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.646543	-105.127552	43-2-135	CDOT MS4 Required	CDOT	18022	EN004	
339	CO-285D-RS00105-EN005	Route 285D MM 252.127 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.644519	-105.130438	43-2-135	CDOT MS4 Required	CDOT	18022	EN005	
340	CO-285D-RS00105-EN006	Route 285D MM 252.075 WB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.644052	-105.131116	43-2-135	CDOT MS4 Required	CDOT	18022	EN006	
341	CO-285D-RS00105-EN007	Route 285D MM 252.052 EB INL VLT	1001	R1509-010	CRTE	FSA R600-386	Inlet/Vault/Prop Str	39.643781	-105.131509	43-2-135	CDOT MS4 Required	CDOT	18022	EN007	

Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset	New
380	CO-470A-RS00010-EN002	Route 470A MM 2.00 Extd Det Basin	1001	R1515-010	CRTE	CC C110-023	Ext Det Basin	39.682741	-105.188847	IGA	CDOT MS4 Required	CDOT	16039	EN002	
382	CO-470A-RS00011-EN001	Route 470A MM 2.495 Extd Det Basin	1001	R1515-010	CRTE	CC C110-023	Ext Det Basin	39.684896	-105.183182	IGA	CDOT MS4 Required	LAKEWOOD	16039	EN001	
383	CO-470A-RS00011-EN002	Route 470A MM 2.495 Extd Det Basin	1001	R1515-010	CRTE	CC C110-023	Ext Det Basin	39.680413	-105.188224	IGA	CDOT MS4 Required	CDOT	16039	EN002	
384	CO-470A-RS00016-EN001	Route 470A MM 4.5 NB INL VLT	1001	R1509-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.649451	-105.180961	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	x
385	CO-470A-RS00017-EN001	Route 470A MM 4.637 NB INL VLT	1001	R1509-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.647039	-105.180291	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
386	CO-470A-RS00020-EN001	Route 470A MM 5.017 NB INL VLT	1001	R1509-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.642923	-105.175833	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
387	CO-470A-RS00020-EN002	Route 470A MM 5.217 NB INL VLT	1001	R1509-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.641396	-105.173325	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
388	CO-470A-RS00021-EN001	Route 470A MM 5.276 NB INL VLT	1001	R1509-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.640888	-105.172485	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
389	CO-470A-RS00022-EN001	Route 470A MM 5.415 NB INL VLT	1001	R1509-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.639451	-105.170114	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
390	CO-470A-RS00023-EN001	Route 470A MM 5.913 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.634508	-105.162921	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
391	CO-470A-RS00025-EN001	Route 470A MM 6.4 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.629356	-105.157909	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
392	CO-470A-RS00025-EN002	Route 470A MM 6.44 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.628712	-105.157348	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
393	CO-470A-RS00025-EN003	Route 470A MM 6.5 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.628148	-105.156842	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
394	CO-470A-RS00025-EN004	Route 470A MM 6.61 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.626833	-105.155691	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
395	CO-470A-RS00025-EN005	Route 470A MM 6.925 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.623046	-105.152336	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
396	CO-470A-RS00025-EN006	Route 470A MM 6.958 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.622471	-105.151842	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
397	CO-470A-RS00026-EN001	Route 470A MM 7.199 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.619872	-105.150341	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
398	CO-470A-RS00026-EN002	Route 470A MM 7.421 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.615776	-105.149876	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
399	CO-470A-RS00026-EN003	Route 470A MM 7.595 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.613893	-105.150372	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
400	CO-470A-RS00026-EN004	Route 470A MM 7.719 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.611202	-105.151605	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
401	CO-470A-RS00026-EN005	Route 470A MM 7.923 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.608988	-105.152638	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
402	CO-470A-RS00027-EN001	Route 470A MM 8 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.608213	-105.152995	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
403	CO-470A-RS00027-EN002	Route 470A MM 8.018 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.607304	-105.153384	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
404	CO-470A-RS00027-EN003	Route 470A MM 8.304 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.602908	-105.153741	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
405	CO-470A-RS00027-EN004	Route 470A MM 8.6 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.599451	-105.152258	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
406	CO-470A-RS00027-EN005	Route 470A MM 8.716 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.597995	-105.151277	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
407	CO-470A-RS00027-EN006	Route 470A MM 8.909 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.594757	-105.149351	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
408	CO-470A-RS00028-EN001	Route 470A MM 9.086 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.592943	-105.148524	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
409	CO-470A-RS00028-EN002	Route 470A MM 9.2 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.591136	-105.147689	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
410	CO-470A-RS00028-EN003	Route 470A MM 9.3 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.589673	-105.147021	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
411	CO-470A-RS00028-EN004	Route 470A MM 9.503 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.587504	-105.146025	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
412	CO-470A-RS00028-EN005	Route 470A MM 9.732 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.584484	-105.146444	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
413	CO-470A-RS00029-EN001	Route 470A MM 10.022 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.580393	-105.142761	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
414	CO-470A-RS00029-EN002	Route 470A MM 10.293 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.576917	-105.141126	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	x
415	CO-470A-RS00029-EN003	Route 470A MM 10.321 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.575801	-105.140441	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	x
416	CO-470A-RS00029-EN004	Route 470A MM 10.452 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.574728	-105.139651	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	x
417	CO-470A-RS00029-EN005	Route 470A MM 10.522 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.573603	-105.138645	43-2-135	CDOT MS4 Required	CDOT	1752		

**Attachment E - AOC Item 72**  
 2017 CDOT Permanent Water Quality Control Measure Inventory (All)  
 AOC Submittal 1-31-2018

Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset	New
456	CO-470A-RS00043-EN001	Route 470A MM 18.918 WB INL VLT	1001	R1530-010	CRTE	STU 4701-107	Inlet/Vault/Prop Str	39.564461	-105.033009	43-2-135	Other Requirements - See Notes	CDOT	15552	EN002	x
458	CO-470A-RS00043-EN002	Route 470A MM 18.134 WB INL VLT	1001	R1530-010	CRTE	STU 4701-107	Inlet/Vault/Prop Str	39.564461	-105.033009	43-2-135	Other Requirements - See Notes	CDOT	15552	EN002	x
459	CO-470A-RS00043-EN003	Route 470A MM 18.023 EB INF FAC	1001	R1530-010	CRTE	ES6 0852-103	Infiltration Facility	39.561826	-105.015081	IGA	CDOT MS4 Required	CDOT	17679	EN003	
460	CO-470A-RS00044-EN001	Route 470A MM 19.4 WB INL VLT	1001	R1530-010	CRTE	STU 4701-107	Inlet/Vault/Prop Str	39.564461	-105.033009	43-2-135	Other Requirements - See Notes	CDOT	15552	EN002	x
461	CO-470A-RS00044-EN002	Route 470A MM 19.111 WB INL VLT	1001	R1530-010	CRTE	STU 4701-107	Inlet/Vault/Prop Str	39.564461	-105.033009	43-2-135	Other Requirements - See Notes	CDOT	15552	EN002	x
462	CO-470A-RS00044-EN003	Route 470A MM 19.012 WB INL VLT	1001	R1530-010	CRTE	STU 4701-107	Inlet/Vault/Prop Str	39.564461	-105.033009	43-2-135	Other Requirements - See Notes	CDOT	15552	EN002	x
463	CO-470A-RS00046-EN001	Route 470A MM 21.01 WB INL VLT	1001	R1530-010	CRTE	STA 177A-007	Inlet/Vault/Prop Str	39.564378	-104.960799	43-2-135	CDOT MS4 Required	CDOT	17734	EN001	
464	CO-470A-RS00046-EN002	Route 470A MM 21.01 WB INL VLT	1001	R1530-010	CRTE	STA 177A-007	Inlet/Vault/Prop Str	39.563937	-104.961114	43-2-135	CDOT MS4 Required	CDOT	17734	EN002	
465	CO-470A-RS00050-EN001	Route 470A MM 24.781 EB INL VLT	1001	R1508-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.564272	-104.892277	43-2-135	CDOT MS4 Required	CDOT	17524	EN001	
466	CO-470A-RS00050-EN002	Route 470A MM 24.9 EB INL VLT	1001	R1508-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.563837	-104.889682	43-2-135	CDOT MS4 Required	CDOT	17524	EN002	
467	CO-470A-RS00051-EN001	Route 470A MM 25.7 EB Extd Det Basin	1001	R1508-010	CRTE	STU 0252-399	Ext Det Basin	39.556358	-104.879604	IGA	CDOT MS4 Required	CDOT	16602	EN001	
468	CO-285D-RS00100-EN001	Route 285D MM 248.7 EB Extd Det Basin	1002	R1927-010	CRTE	BR 2854-102	Ext Det Basin	39.625299	-105.188496	43-2-135	Other Requirements - See Notes	CDOT	14890	EN001	x
469	CO-285D-RS00100-EN002	Route 285D MM 248.7 EB Extd Det Basin	1002	R1927-010	CRTE	BR 2854-102	Ext Det Basin	39.625188	-105.188939	43-2-135	Other Requirements - See Notes	CDOT	14890	EN002	x
470	CO-285D-RS00101-EN001	Route 285D MM 249.3 EB Extd Det Basin	1002	R1927-010	CRTE	BR 2854-102	Ext Det Basin	39.628669	-105.178232	43-2-135	Other Requirements - See Notes	CDOT	14890	EN001	x
471	CO-016A-RS00003-EN001	Route 016A MM 0.5 NB Extd Det Basin	2001	R2453-010	CRTE	NH 016A-039	Ext Det Basin	38.724702	-104.725288	No	CDOT MS4 Required	CDOT	15915	EN001	
472	CO-016A-RS00003-EN002	Route 016A MM 0.62 SB Extd Det Basin	2001	R2453-010	CRTE	NH 016A-039	Ext Det Basin	38.723795	-104.723535	No	CDOT MS4 Required	CDOT	15915	EN002	
473	CO-016A-RS00003-EN003	Route 016A MM 0.833 NB Extd Det Basin	2001	R2453-010	CRTE	NH 016A-039	Ext Det Basin	38.722793	-104.722507	IGA	CDOT MS4 Required	CDOT	15915	EN003	
474	CO-016A-RS00005-EN001	Route 016A MM 1.1 NB INL VLT	2001	R2453-010	CRTE	STU-R200-110	Inlet/Vault/Prop Str	38.722372	-104.714268	No	CDOT MS4 Required	CDOT	13590	EN001	
475	CO-021B-RS00002-EN001	Route 021B MM 143.5 SB INL VLT	2001	R2475-010	CRTE	SHE 0212-008	Inlet/Vault/Prop Str	38.863517	-104.720417	No	TBD	CDOT	19578	EN001	
476	CO-021B-RS00006-EN001	Route 021B MM 147.4 NB Swale	2001	R2475-010	CRTE	TBD	Treatment Swale	38.925861	-104.718571	No	TBD	TBD	17604	EN001	
477	CO-021B-RS00006-EN002	Route 021B MM 147.613 NB Swale	2001	R2475-010	CRTE	C 021A-001	Treatment Swale	38.924386	-104.719346	No	CDOT MS4 Required	CDOT	17604	EN002	
478	CO-021B-RS00006-EN003	Route 021B MM 147.8 NB Swale	2001	R2475-010	CRTE	C 021A-001	Treatment Swale	38.927001	-104.719001	No	CDOT MS4 Required	CDOT	17604	EN003	
479	CO-021B-RS00007-EN001	Route 021B MM 148 NB INL VLT	2001	R2475-010	CRTE	STU-R200-097	Inlet/Vault/Prop Str	38.92932	-104.719565	No	CDOT MS4 Required	CDOT	13129	EN001	
480	CO-021B-RS00007-EN002	Route 021B MM 148.2 NB INL VLT	2001	R2475-010	CRTE	STU R200-097	Inlet/Vault/Prop Str	38.933232	-104.719787	No	CDOT MS4 Required	CDOT	13129	EN002	
481	CO-021B-RS00007-EN003	Route 021B MM 148.3 NB INL VLT	2001	R2475-010	CRTE	STU R200-097	Inlet/Vault/Prop Str	38.934755	-104.719743	No	CDOT MS4 Required	CDOT	13129	EN003	
482	CO-021B-RS00007-EN004	Route 021B MM 148.4 NB INL VLT	2001	R2475-010	CRTE	STU R200-097	Inlet/Vault/Prop Str	38.936207	-104.719755	No	CDOT MS4 Required	CDOT	13129	EN004	
483	CO-021B-RS00009-EN001	Route 021B MM 149.2 SB INL VLT	2001	R2439-010	CRTE	STU R200-097	Inlet/Vault/Prop Str	38.947373	-104.719973	No	CDOT MS4 Required	CDOT	13129	EN001	
484	CO-021B-RS00009-EN002	Route 021B MM 149.2 SB INL VLT	2001	R2439-010	CRTE	STU R200-097	Inlet/Vault/Prop Str	38.946717	-104.719877	No	CDOT MS4 Required	CDOT	13129	EN002	
485	CO-021B-RS00011-EN001	Route 021B MM 151.8 SB Extd Det Basin	2001	R2439-010	CRTE	STU-R200-107	Ext Det Basin	38.974462	-104.752938	No	CDOT MS4 Required	CDOT	13540	EN001	
486	CO-021B-RS00011-EN002	Route 021B MM 151.95 NB INL VLT	2001	R2439-010	CRTE	TBD	Inlet/Vault/Prop Str	38.97606	-104.752802	No	TBD	CDOT	17604	EN002	
487	CO-021B-RS00013-EN001	Route 021B MM 153 NB Extd Det Basin	2001	R2439-010	CRTE	NHPP 0212-007	Ext Det Basin	38.986447	-104.767376	No	CDOT MS4 Required	CDOT	19522	EN001	
488	CO-021B-RS00013-EN002	Route 021B MM 153.8 NB Extd Det Basin	2001	R2439-010	CRTE	TBD	Ext Det Basin	38.995374	-104.776192	No	CDOT MS4 Required	CDOT	18095	EN002	
489	CO-021B-RS00015-EN001	Route 021B MM 142.45 NB Extd Det Basin	2001	R2475-010	CRTE	SHE 0212-008	Ext Det Basin	38.847975	-104.720121	No	Other Requirements - See Notes	CDOT	19578	EN001	
490	CO-021B-RS00016-EN001	Route 021B MM 143.9 SB INL VLT	2001	R2475-010	CRTE	TBD	Inlet/Vault/Prop Str	38.871317	-104.720386	No	TBD	CDOT	19578	EN001	
491	CO-025A-RS00017-EN001	Route 025A MM 13.7 NB Extd Det Basin	2001	R2401-010	CRTE	TBD	Ext Det Basin	37.171725	-104.509422	IGA	Other Requirements - See Notes	TBD	TBD	EN001	x
492	CO-025A-RS00124-EN001	Route 025A MM 103.5 SB Treatment Swale	2001	R2406-010	CRTE	CITY 14-007	Treatment Swale	38.2020932	-104.3713239	TBD	TBD	TBD	16640	EN001	
493	CO-025A-RS00124-EN002	Route 025A MM 103.4 SB Ext Det Basin	2001	R2406-010	CRTE	CITY 14-007	Ext Det Basin	38.2011193	-104.3711879	TBD	TBD	TBD	16640	EN002	
494	CO-025A-RS00124-EN003	Route 025A MM 103.4 IV/PFS	2001	R2406-010	CRTE	CITY 14-007	Inlet/Vault/Prop Str	38.2012079	-104.377844	TBD	TBD	TBD	16640	EN003	
495	CO-025A-RS00160-EN001	Route 025A MM 131.23 NB INF FAC	2001	R2407-010	CRTE	STU									

**Attachment E - AOC Item 72**  
 2017 CDOT Permanent Water Quality Control Measure Inventory (All)  
 AOC Submittal 1-31-2018

Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset	New
532	CO-025A-RS00178-EN005	Route 025A MM 147.7 SB Const Wetland	2001	R2469-010	CRTE	TBD	Const Wetland	38.916211	-104.817418	No	TBD	CDOT	TBD	EN005	
534	CO-025A-RS00179-EN001	Route 025A MM 148.2 NB Extd Det Basin	2001	R2469-010	CRTE	TBD	Ext Det Basin	38.923295	-104.81376	No	Other Requirements - See Notes	CDOT	TBD	EN001	
535	CO-025A-RS00179-EN002	Route 025A MM 148.3 NB INL VLT	2001	R2469-010	CRTE	TBD	Inlet/Vault/Prop Str	38.925649	-104.813531	No	TBD	CDOT	TBD	EN002	
536	CO-025A-RS00179-EN003	Route 025A MM 148.4 Med INL VLT	2001	R2469-010	CRTE	TBD	Inlet/Vault/Prop Str	38.927003	-104.81355	No	TBD	CDOT	TBD	EN003	
537	CO-025A-RS00179-EN004	Route 025A MM 148.6 NB Extd Det Basin	2001	R2469-010	CRTE	IM 0252-370	Ext Det Basin	38.927895	-104.812874	No	CDOT MS4 Required	CDOT	14740	EN004	
538	CO-025A-RS00179-EN005	Route 025A MM 148.9 Med Extd Det Basin	2001	R2469-010	CRTE	IM 0252-370	Ext Det Basin	38.933358	-104.812587	No	CDOT MS4 Required	CDOT	14740	EN005	
539	CO-025A-RS00180-EN001	Route 025A MM 149.2 Med Extd Det Basin	2001	R2469-010	CRTE	IM 0252-370	Ext Det Basin	38.938358	-104.812858	No	CDOT MS4 Required	CDOT	14740	EN001	
540	CO-025A-RS00180-EN002	Route 025A MM 149.3 Med Extd Det Basin	2001	R2469-010	CRTE	IM 0252-370	Ext Det Basin	38.939147	-104.813097	No	Other Requirements - See Notes	CDOT	14740	EN002	
541	CO-025A-RS00181-EN001	Route 025A MM 149.5 NB Extd Det Basin	2001	R2469-010	CRTE	I025A-016	Ext Det Basin	38.942822	-104.813462	No	Other Requirements - See Notes	CDOT	18842	EN001	
542	CO-025A-RS00182-EN001	Route 025A MM 150.3 NB Extd Det Basin	2001	R2469-010	CRTE	I025A-016	Ext Det Basin	38.950375	-104.808986	No	CDOT MS4 Required	CDOT	18842	EN001	
543	CO-025A-RS00183-EN001	Route 025A MM 150.5 Med INL VLT	2001	R2408-010	CRTE	I025A-016	Inlet/Vault/Prop Str	38.955055	-104.803463	No	CDOT MS4 Required	CDOT	18842	EN001	
544	CO-025A-RS00183-EN002	Route 025A MM 150.6 Med INL VLT	2001	R2408-010	CRTE	I025A-016	Inlet/Vault/Prop Str	38.957151	-104.801844	No	CDOT MS4 Required	CDOT	18842	EN002	
545	CO-025A-RS00184-EN001	025A NB MM 151.6-152 Swale	2001	R2408-010	CRTE	I025A-016	Treatment Swale	38.969178	-104.803975	No	CDOT MS4 Required	CDOT	18842	EN001	
546	CO-025A-RS00184-EN002	Route 025A MM 151.3 SB Extd Det Basin	2001	R2408-010	CRTE	I025A-016	Ext Det Basin	38.963082	-104.803454	No	CDOT MS4 Required	CDOT	18842	EN002	
547	CO-025A-RS00184-EN003	Route 025A MM 151.6 NB Extd Det Basin	2001	R2408-010	CRTE	I025A-016	Ext Det Basin	38.966655	-104.806045	No	CDOT MS4 Required	CDOT	18842	EN003	
548	CO-025A-RS00184-EN004	Route 025A MM 151.8 SB Extd Det Basin	2001	R2408-010	CRTE	I025A-016	Ext Det Basin	38.969469	-104.806179	No	CDOT MS4 Required	CDOT	18842	EN004	
549	CO-025A-RS00185-EN001	Route 025A MM 152.1 SB Swale	2001	R2408-010	CRTE	I025A-016	Treatment Swale	38.982872	-104.812152	No	CDOT MS4 Required	CDOT	18842	EN001	
550	CO-025A-RS00185-EN002	Route 025A MM 152.1 NB Swale	2001	R2408-010	CRTE	I025A-016	Treatment Swale	38.981468	-104.810053	No	CDOT MS4 Required	CDOT	18842	EN002	
551	CO-025A-RS00185-EN003	Route 025A MM 152.32 SB Swale	2001	R2408-010	CRTE	I025A-016	Treatment Swale	38.977719	-104.809718	No	CDOT MS4 Required	CDOT	18842	EN003	
552	CO-025A-RS00185-EN004	Route 025A MM 152.33 SB Swale	2001	R2408-010	CRTE	I025A-016	Treatment Swale	38.978931	-104.810191	No	CDOT MS4 Required	CDOT	18842	EN004	
553	CO-025A-RS00186-EN001	Route 025A MM 153.46 SB Extd Det Basin	2001	R2408-010	CRTE	I025A-016	Ext Det Basin	39.001081	-104.819001	No	Other Requirements - See Notes	CDOT	18842	EN001	
554	CO-025A-RS00186-EN002	Route 025A MM 153.2 SB Extd Det Basin	2001	R2408-010	CRTE	I025A-016	Ext Det Basin	38.989201	-104.816888	No	CDOT MS4 Required	CDOT	18842	EN002	
555	CO-025A-RS00186-EN003	Route 025A MM 153.3 NB Swale	2001	R2408-010	CRTE	I025A-016	Treatment Swale	38.993598	-104.814897	No	CDOT MS4 Required	CDOT	18842	EN003	
556	CO-025A-RS00186-EN004	Route 025A MM 153.4 SB Extd Det Basin	2001	R2408-010	CRTE	I025A-016	Ext Det Basin	38.991211	-104.815259	No	CDOT MS4 Required	CDOT	18842	EN004	
557	CO-025A-RS00186-EN005	Route 025A MM 153.5 NB Swale	2001	R2408-010	CRTE	I025A-016	Treatment Swale	38.998561	-104.816945	No	CDOT MS4 Required	CDOT	18842	EN005	
558	CO-025A-RS00186-EN006	Route 025A MM 153.5 SB Swale	2001	R2408-010	CRTE	I025A-016	Treatment Swale	38.995902	-104.817149	No	TBD	CDOT	18842	EN006	
559	CO-025A-RS00186-EN007	Route 025A MM 153.7 SB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	38.998523	-104.818097	No	CDOT MS4 Required	CDOT	18842	EN007	
560	CO-025A-RS00187-EN002	Route 025A MM 154.2 NB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.006184	-104.820491	No	CDOT MS4 Required	CDOT	18842	EN002	
561	CO-025A-RS00187-EN003	Route 025A MM 154.2 SB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.011657	-104.822721	No	CDOT MS4 Required	CDOT	18842	EN003	
562	CO-025A-RS00187-EN004	Route 025A MM 154.28 SB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.003987	-104.820528	No	CDOT MS4 Required	CDOT	18842	EN004	
563	CO-025A-RS00187-EN005	Route 025A MM 154.5 SB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.007793	-104.822913	No	TBD	CDOT	18842	EN005	
564	CO-025A-RS00187-EN006	Route 025A MM 154.6 NB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.011828	-104.823877	No	CDOT MS4 Required	CDOT	18842	EN006	
565	CO-025A-RS00187-EN007	Route 025A MM 154.8 SB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.013667	-104.828351	No	CDOT MS4 Required	CDOT	18842	EN007	
566	CO-025A-RS00187-EN008	Route 025A MM 154.9 NB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.017751	-104.827318	No	CDOT MS4 Required	CDOT	18842	EN008	
567	CO-025A-RS00188-EN001	Route 025A MM 155.93 SB Extd Det Basin	2001	R2408-010	CRTE	I025A-016	Ext Det Basin	39.025094	-104.835805	No	Other Requirements - See Notes	CDOT	18842	EN001	
568	CO-025A-RS00188-EN002	Route 025A MM 155.41 SB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.019184	-104.830434	No	CDOT MS4 Required	CDOT	18842	EN002	
569	CO-025A-RS00188-EN003	Route 025A MM 155.45 SB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.019769	-104.830824	No	CDOT MS4 Required	CDOT	18842	EN003	
570	CO-025A-RS00188-EN004	Route 025A MM 155.5 NB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.022467	-104.830345	No	CDOT MS4 Required	CDOT	18842	EN004	
571	CO-025A-RS00188-EN005	Route 025A MM 155.5 SB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.022001	-104.833001	No	CDOT MS4 Required	CDOT	18842	EN005	
572	CO-025A-RS00188-EN006	Route 025A MM 155.83 NB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.024955	-104.820381	No	CDOT MS4 Required	CDOT</td			

## Attachment E - AOC Item 72

2017 CDOT Permanent Water Quality Control Measure Inventory (All)  
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Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset	New
608	CO-025A-RS00191-EN007	Route 025A MM 158.51 NB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	38.061391	-104.853526	No		CDOT	18842	EN007	
610	CO-025A-RS00191-EN008	Route 025A MM 158.6 NB Swale	2001	R2408-010	CRTE	I025A-016	Treatment Swale	38.063926	-104.854971	No	CDOT MS4 Required	CDOT	18842	EN008	
611	CO-025A-RS00191-EN009	Route 025A MM 158.7 SB INL VLT	2001	R2408-010	CRTE	I025A016	Inlet/Vault/Prop Str	39.063732	-104.856776	No	CDOT MS4 Required	CDOT	18842	EN009	
612	CO-025A-RS00191-EN010	Route 025A MM 158.8 SB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.065465	-104.855819	No	CDOT MS4 Required	CDOT	18842	EN010	
613	CO-025A-RS00191-EN011	Route 025A MM 158.9 NB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.068215	-104.856376	No	CDOT MS4 Required	CDOT	18842	EN011	
614	CO-025A-RS00191-EN012	Route 025A MM 158.9 SB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.066001	-104.857001	No	CDOT MS4 Required	CDOT	18842	EN012	
615	CO-025A-RS00192-EN018	Route 025A MM 159.3 NB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.074871	-104.857694	No	CDOT MS4 Required	CDOT	18842	EN018	
616	CO-025A-RS00192-EN019	Route 025A MM 159.3 SB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.077036	-104.860371	No	CDOT MS4 Required	CDOT	18842	EN019	
617	CO-025A-RS00192-EN020	Route 025A MM 159.7 NB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.081107	-104.859475	No	CDOT MS4 Required	CDOT	18842	EN020	
618	CO-025A-RS00193-EN001	Route 025A MM 160.7 SB Const Wetland	2001	R2408-010	CRTE	IM 0252-347	Const Wetland	39.089668	-104.862438	No	TBD	CDOT	13480	EN001	
619	CO-025A-RS00193-EN002	Route 025A MM 160.8 NB Extd Det Basin	2001	R2408-010	CRTE	IM 0252-347	Ext Det Basin	39.090172	-104.861643	No	CDOT MS4 Required	CDOT	13480	EN002	
620	CO-025A-RS00193-EN003	Route 025A MM 160.9 SB Extd Det Basin	2001	R2408-010	CRTE	IM 0252-347	Ext Det Basin	39.090752	-104.862963	No	Other Requirements - See Notes	CDOT	13480	EN003	
621	CO-025A-RS00193-EN004	Route 025A MM 160.8 NB Const Wetland	2001	R2408-010	CRTE	IM 0252-347	Const Wetland	39.092843	-104.861893	No	TBD	CDOT	13480	EN004	
622	CO-025A-RS00194-EN001	Route 025A MM 161.1 NB Swale	2001	R2408-010	CRTE	I025A016	Treatment Swale	39.083474	-104.860057	No	CDOT MS4 Required	CDOT	18842	EN001	
623	CO-047A-RS00001-EN001	Route 047A MM 0.2 EB Const Wetland	2001	R2468-010	CRTE	SP0471-021	Const Wetland	38.306392	-104.609208	No	TBD	CDOT	11931	EN001	
624	CO-047A-RS00001-EN002	Route 047A MM 0.084 EB Const Wetland	2001	R2468-010	CRTE	SP0471-021	Const Wetland	38.307945	-104.610925	No	TBD	CDOT	11931	EN002	
625	CO-047A-RS00001-EN003	Route 047A MM 0.3 EB Const Wetland	2001	R2468-010	CRTE	SP0471-021	Const Wetland	38.306382	-104.607205	No	TBD	CDOT	11931	EN003	
626	CO-047A-RS00001-EN004	Route 047A MM 0.35 EB Const Wetland	2001	R2468-010	CRTE	SP0471-021	Const Wetland	38.306795	-104.605997	No	TBD	CDOT	11931	EN004	
627	CO-050A-RS00301-EN001	Route 050A MM 279 EB INL VLT	2001	R2459-010	CRTE	NH0503-064	Inlet/Vault/Prop Str	38.445624	-105.226953	IGA	TBD	CDOT	15564	EN001	
628	CO-050A-RS00344-EN001	Route 050A MM 312.0 WB Extd Det Basin	2001	R2420-010	CRTE	TBD	Ext Det Basin	38.315943	-104.660805	No	CDOT MS4 Required	CDOT	TBD	EN001	
629	CO-050A-RS00344-EN002	Route 050A MM 312.5 WB Extd Det Basin	2001	R2420-010	CRTE	TBD	Ext Det Basin	38.312512	-104.652671	No	CDOT MS4 Required	CDOT	19751	EN002	
630	CO-050A-RS00344-EN003	Route 050A MM 312.5 WB Extd Det Basin	2001	R2420-010	CRTE	TBD	Ext Det Basin	38.312423	-104.651911	No	CDOT MS4 Required	CDOT	19751	EN003	
631	CO-050A-RS00345-EN001	Route 050A MM 312.95 EB Extd Det Basin	2001	R2420-010	CRTE	SH 0503-071	Ext Det Basin	38.309237	-104.646733	No	Other Requirements - See Notes	CDOT	17046	EN001	
632	CO-050A-RS00346-EN001	Route 050A MM 313 Extd Det Basin	2001	R2420-010	CRTE	TBD	Ext Det Basin	38.309237	-104.646711	No	CDOT MS4 Required	CDOT	TBD	EN001	
633	CO-050A-RS00347-EN001	Route 050A MM 314.234 EB Swale	2001	R2420-010	CRTE	I025A016	Treatment Swale	38.307935	-104.622467	No	CDOT MS4 Required	CDOT	18842	EN001	
634	CO-050B-RS00001-EN001	Route 050B MM 316.323 WB INF FAC	2001	R2468-010	CRTE	SHE 0504-059	Infiltration Facility	38.287823	-104.601507	No	TBD	CDOT	17410	EN001	
635	CO-083A-RS00027-EN001	Route 083A MM 21 SB Extd Det Basin	2001	R2439-010	CRTE	FSA 0212-003	Ext Det Basin	39.004833	-104.778284	No	CDOT MS4 Required	CDOT	18095	EN001	
636	CO-085A-RS00009-EN001	Route 085A MM 131.1 SB INL VLT	2001	R2453-010	CRTE	STU-R200-110	Inlet/Vault/Prop Str	38.716948	-104.715573	No	CDOT MS4 Required	CDOT	13590	EN001	
637	CO-085A-RS00009-EN002	Route 085A MM 131.2 SB INL VLT	2001	R2453-010	CRTE	STU-R200-111	Inlet/Vault/Prop Str	38.718967	-104.720077	IGA	TBD	CDOT	13591	EN002	
638	CO-085A-RS00012-EN001	Route 085A MM 132 SB INL VLT	2001	R2453-010	CRTE	STU-R200-110	Inlet/Vault/Prop Str	38.728355	-104.723507	IGA	CDOT MS4 Required	CDOT	13590	EN001	
639	CO-085A-RS00014-EN001	Route 085A MM 134.05 SB INF FAC	2001	R2453-010	CRTE	STA 0851-007	Infiltration Facility	38.751982	-104.745287	No	CDOT MS4 Required	CDOT	15349	EN001	
640	CO-085A-RS00015-EN001	Route 085A MM 135 NB INF FAC	2001	R2453-010	CRTE	STA 0851-007	Infiltration Facility	38.761433	-104.753563	No	CDOT MS4 Required	CDOT	15349	EN001	
641	CO-096A-RS00069-EN001	Route 096A MM 55.125 EB INL VLT	2001	R2441-010	CRTE	COR-03B940	Inlet/Vault/Prop Str	38.268180	-104.624781	No	CDOT MS4 Required	CDOT	13141	EN001	
642	CO-096A-RS00069-EN002	Route 096A MM 55 INL VLT	2001	R2441-010	CRTE	BR 0961-008	Inlet/Vault/Prop Str	38.2682	-104.624	IGA	CDOT MS4 Required	CDOT	13141	EN002	
643	CO-115A-RS00002-EN001	Route 115A MM 0.895 SB INL VLT	2001	R2459-010	CRTE	TBD	Inlet/Vault/Prop Str	38.430513	-105.231988	IGA	TBD	CDOT	17821	EN001	
644	CO-115A-RS00050-EN001	Route 115A MM 40.7 SB INF FAC	2001	R2458-010	CRTE	NH 1151-023	Infiltration Facility	38.725267	-104.818528	No	CDOT MS4 Required	CDOT	17353	EN001	
645	CO-115A-RS00051-EN001	Route 115A MM 41.05 NB Extd Det Basin	2001	R2458-010	CRTE	FSA 1151-027	Ext Det Basin	38.731193	-104.815377	No	CDOT MS4 Required	CDOT	18282	EN001	
646	CO-115A-RS00053-EN001	Route 115A MM 43.8 NB Extd Det Basin	2001	R2458-010	CRTE	TBD	Ext Det Basin	38.766498	-104.812897	No	CDOT MS4 Required	CDOT	TBD	EN001	
647	CO-070A-RS00227-EN001	Route 070A MM 181.98 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.625003	-106.277508	No 27	Non-MS4 Detention Required	CDOT	13979	EN001	x
648	CO-070A-RS00229-EN001	Route 070A MM 182.16 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.621575	-106.278461	No					

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Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset	New
684	CO-070A-RS00235-EN005	Route 070A MM 187.34 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.565564	-106.236622	No 9	Non-MS4 Detention Required	CDOT	13979	EN005	x
686	CO-070A-RS00235-EN006	Route 070A MM 187.37 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.565751	-106.237797	No 41	Non-MS4 Detention Required	CDOT	13979	EN006	x
687	CO-070A-RS00235-EN007	Route 070A MM 187.41 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.564022	-106.235575	No 42A	Non-MS4 Detention Required	CDOT	13979	EN007	x
688	CO-070A-RS00235-EN008	Route 070A MM 187.41 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.564414	-106.235989	No 42B	Non-MS4 Detention Required	CDOT	13979	EN008	x
689	CO-070A-RS00236-EN001	Route 070A MM 187.88 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.558511	-106.230933	No 8	Non-MS4 Detention Required	CDOT	13979	EN001	x
690	CO-070A-RS00236-EN002	Route 070A MM 187.8 EB BP Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.568647	-106.239372	No 12	Non-MS4 Detention Required	CDOT	13979	EN002	x
691	CO-070A-RS00237-EN001	Route 070A MM 188.19 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.555386	-106.227494	No 43B	Non-MS4 Detention Required	CDOT	13979	EN001	x
692	CO-070A-RS00237-EN002	Route 070A MM 188.24 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.555386	-106.227494	No 43A	Non-MS4 Detention Required	CDOT	13979	EN002	x
693	CO-070A-RS00237-EN003	Route 070A MM 188.33 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.554233	-106.226036	No 7	Non-MS4 Detention Required	CDOT	13979	EN003	x
694	CO-070A-RS00237-EN004	Route 070A MM 188.42 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.552375	-106.224689	No 44	Non-MS4 Detention Required	CDOT	13979	EN004	x
695	CO-070A-RS00237-EN005	Route 070A MM 188.72 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.549828	-106.221647	No 6B	Non-MS4 Detention Required	CDOT	13979	EN005	x
696	CO-070A-RS00237-EN006	Route 070A MM 188.73 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.549608	-106.221492	No 6A	Non-MS4 Detention Required	CDOT	13979	EN006	x
697	CO-070A-RS00238-EN001	Route 070A MM 189.01 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.545753	-106.219541	No 45	Non-MS4 Detention Required	CDOT	13979	EN001	x
698	CO-070A-RS00238-EN002	Route 070A MM 189.09 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.544528	-106.217878	No 5	Non-MS4 Detention Required	CDOT	13979	EN002	x
699	CO-070A-RS00238-EN003	Route 070A MM 189.16 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.543781	-106.217331	No 4	Non-MS4 Detention Required	CDOT	13979	EN003	x
700	CO-070A-RS00238-EN004	Route 070A MM 189.22 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.543069	-106.216928	No 3B	Non-MS4 Detention Required	CDOT	13979	EN004	x
701	CO-070A-RS00238-EN005	Route 070A MM 189.23 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.542828	-106.216744	No 3A	Non-MS4 Detention Required	CDOT	13979	EN005	x
702	CO-070A-RS00238-EN006	Route 070A MM 189.32 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.539186	-106.214958	No 2	Non-MS4 Detention Required	CDOT	13979	EN006	x
703	CO-070A-RS00238-EN007	Route 070A MM 189.71 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.535375	-106.214775	No 1	Non-MS4 Detention Required	CDOT	13979	EN007	x
704	CO-070A-RS00238-EN008	Route 070A MM 189.6 EB BP Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.533964	-106.216106	No 48	Non-MS4 Detention Required	CDOT	13979	EN008	x
705	CO-070A-RS00238-EN009	Route 070A MM 189.69 EB BP Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.533964	-106.216106	No 47	Non-MS4 Detention Required	CDOT	13979	EN009	x
706	CO-070A-RS00238-EN010	Route 070A MM 189.9 EB BP Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.533099	-106.215906	No 46	Non-MS4 Detention Required	CDOT	13979	EN010	x
707	CO-070B-RS00003-EN001	Route 070B MM 2.673 MED INL VLT	3001	R3211-010	CRTE	NH 0701-202	Inlet/Vault/Prop Str	39.089672	-108.604878	43-2-135	CDOT MS4 Required	GRAND JUNCTION	17318	EN001	
708	CO-070B-RS00004-EN001	Route 070B MM 3.968 EB Ret Pond	3001	R3211-010	CRTE	TBD	Retention Pond	39.079232	-108.587163	43-2-135	CDOT MS4 Required	GRAND JUNCTION	TBD	EN001	
709	CO-070B-RS00004-EN002	Route 070B MM 3.968 EB Ret Pond	3001	R3211-010	CRTE	TBD	Retention Pond	39.079809	-108.589612	43-2-135	CDOT MS4 Required	GRAND JUNCTION	TBD	EN002	
710	CO-070B-RS00004-EN003	Route 070B MM 3.968 EB INL VLT	3001	R3211-010	CRTE	NH 0701-216	Inlet/Vault/Prop Str	39.080995	-108.583682	43-2-135	CDOT MS4 Required	GRAND JUNCTION	18894	EN003	
711	CO-070B-RS00004-EN004	Route 070B MM 3.608 EB INL VLT	3001	R3211-010	CRTE	NH 0701-210	Inlet/Vault/Prop Str	39.082887	-108.589591	43-2-135	CDOT MS4 Required	GRAND JUNCTION	18187	EN004	
712	CO-070B-RS00004-EN007	Route 070B MM 3.968 EB INL VLT	3001	R3211-010	CRTE	NH 0701-202	Inlet/Vault/Prop Str	TBD	-108.589477	43-2-135	CDOT MS4 Required	GRAND JUNCTION	18894	EN007	x
713	CO-070B-RS00024-EN001	Route 070B MM 12.14 NB Ret Pond	3001	R3211-010	CRTE	STE 0063-030	Retention Pond	39.092072	-108.452492	IGA	CDOT MS4 Required	GRAND JUNCTION	17109	EN001	
714	CO-070B-RS00024-EN002	Route 070B MM 12.14 SB Ret Pond	3001	R3211-010	CRTE	STE 0063-030	Retention Pond	39.091994	-108.453851	IGA	CDOT MS4 Required	GRAND JUNCTION	17109	EN002	
715	CO-070B-RS00024-EN002	Route 070B MM 12.14 SB Ret Pond	3001	R3211-010	CRTE	STE 0063-030	Retention Pond	39.091994	-108.453851	IGA	CDOT MS4 Required	GRAND JUNCTION	17109	EN002	x
716	CO-040A-RS00146-EN001	Route 040A MM 131.996 WB INL VLT	3002	R3612-010	CRTE	NH 0402-072	Inlet/Vault/Prop Str	40.488849	-106.839042	43-2-135	CDOT MS4 Required	STEAMBOAT SPRINGS	16493	EN001	
717	CO-040A-RS00146-EN002	Route 040A MM 131.996 EB INL VLT	3002	R3612-010	CRTE	NH 0402-072	Inlet/Vault/Prop Str	40.488771	-106.839197	43-2-135	CDOT MS4 Required	STEAMBOAT SPRINGS	16493	EN002	
718	CO-040A-RS00147-EN001	Route 040A MM 132.002 WB INL VLT	3002	R3612-010	CRTE	NH 0402-072	Inlet/Vault/Prop Str	40.488612	-106.838645	43-2-135	CDOT MS4 Required	STEAMBOAT SPRINGS	16493	EN001	
719	CO-040A-RS00147-EN002	Route 040A MM 132.002 EB INL VLT	3002	R3612-010	CRTE	NH 0402-072	Inlet/Vault/Prop Str	40.488471	-106.838805	43-2-135	CDOT MS4 Required	STEAMBOAT SPRINGS	16493	EN002	
720	CO-040A-RS00147-EN003	Route 040A MM 132.094 WB INL VLT	3002	R3612-010	CRTE	NH 0402-072	Inlet/Vault/Prop Str	40.488159	-106.837874	43-2-135	CDOT MS4 Required	STEAMBOAT SPRINGS	16493	EN003	
721	CO-040A-RS00147-EN004	Route 040A MM 132.094 132.094 WB INL VLT	3002	R3612-010	CRTE	NH 0402-072	Inlet/Vault/Prop Str	40.488078	-106.837						

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Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset	New
760	CO-034D-RS00002-EN001	Route 034D MM 1.02 WB Extd Det Basin	4001	R4117-010	CRTE	STA 0342-037	Ext Det Basin	40.416442	-104.860883	No	CDOT MS4 Required	CDOT	13808	EN001	
762	CO-034D-RS00002-EN002	Route 034D MM 1.81 EB Extd Det Basin	4001	R4117-010	CRTE	STA 0342-037	Ext Det Basin	40.420903	-104.846901	No	CDOT MS4 Required	CDOT	13808	EN002	
763	CO-034D-RS00002-EN003	Route 034D MM 1.1 WB Extd Det Basin	4001	R4117-010	CRTE	TBD	Ext Det Basin	40.418661	-104.860313	No	CDOT MS4 Required	CDOT	TBD	EN003	x
764	CO-034D-RS00002-EN004	Route 034D MM 1.1 WB Extd Det Basin	4001	R4117-010	CRTE	TBD	Ext Det Basin	40.417349	-104.860298	No	CDOT MS4 Required	CDOT	TBD	EN004	x
765	CO-034D-RS00003-EN001	Route 034D MM 2.58 WB Extd Det Basin	4001	R4117-010	CRTE	STA 0342-037	Ext Det Basin	40.421561	-104.832601	IGA	CDOT MS4 Required	CITY OF GREELEY	13808	EN001	
766	CO-034D-RS00003-EN002	Route 034D MM 2.97 WB Extd Det Basin	4001	R4117-010	CRTE	STA 0342-037	Ext Det Basin	40.421951	-104.825856	IGA	CDOT MS4 Required	CITY OF GREELEY	13808	EN002	
767	CO-034D-RS00004-EN001	Route 034D MM 3.64 WB Extd Det Basin	4001	R4117-010	CRTE	STA 0342-037	Ext Det Basin	40.421918	-104.812428	IGA	CDOT MS4 Required	CITY OF GREELEY	13808	EN001	
768	CO-052A-RS00098-EN001	Route 052A MM 19.604 WB Extd Det Basin	4001	R4114-010	CRTE	STL 0853-081	Ext Det Basin	40.081961	-104.824963	No	Other Requirements - See Notes	TBD	18340	EN001	x
769	CO-060B-RS00028-EN001	Route 060B MM 18.4 SB Extd Det Basin	4001	R4116-010	CRTE	TBD	Ext Det Basin	40.277715	-104.814771	No	Other Requirements - See Notes	CDOT	TBD	EN001	x
770	CO-066B-RS00030-EN001	Route 066B MM 42.3 EB Detention Basin	4001	R4115-010	CRTE	IM 0253-164	Ext Det Basin	40.204142	-104.988744	No	Other Requirements - See Notes	CDOT	13192	EN001	x
771	CO-066B-RS00030-EN002	Route 066B MM 42.16 EB Extd Det Basin	4001	R4115-010	CRTE	IM 0253-164	Ext Det Basin	40.201976	-104.982325	No	Other Requirements - See Notes	CDOT	13192	EN002	x
772	CO-085C-RS00056-EN001	Route 085C MM 263.85 NB Extd Det Basin	4001	R4116-010	CRTE	STA 0853-081	Ext Det Basin	40.368604	-104.694406	No	CDOT MS4 Required	TBD	18340	EN001	x
773	CO-085L-RS00002-EN001	Route 085L MM 266.622 SB Extd Det Basin	4001	R4125-010	CRTE	STA 0853-078	Ext Det Basin	40.402227	-104.680151	43-2-135	CDOT MS4 Required	CITY OF GREELEY	17757	EN001	
774	CO-085L-RS00003-EN001	Route 085L MM 267.1 SB Extd Det Basin	4001	R4125-010	CRTE	STA 0853-078	Ext Det Basin	40.409228	-104.680201	43-2-135	CDOT MS4 Required	CITY OF GREELEY	17757	EN001	
775	CO-085L-RS00003-EN002	Route 085L MM 267.329 NB INL VLT	4001	R4125-010	CRTE	STA 0853-078	Inlet/Vault/Prop Str	40.413081	-104.679721	43-2-135	CDOT MS4 Required	CITY OF GREELEY	17757	EN002	
776	CO-085L-RS00003-EN003	Route 085L MM 267.7 NB INL VLT	4001	R4125-010	CRTE	STA 0853-078	Inlet/Vault/Prop Str	40.417572	-104.679611	43-2-135	CDOT MS4 Required	CITY OF GREELEY	17757	EN003	
777	CO-085L-RS00004-EN001	Route 085L MM 268.041 SB Extd Det Basin	4001	R4125-010	CRTE	STA 0853-078	Ext Det Basin	40.422815	-104.679101	43-2-135	CDOT MS4 Required	CITY OF GREELEY	17757	EN001	
778	CO-085L-RS00004-EN002	Route 085L MM 268.1 NB Extd Det Basin	4001	R4125-010	CRTE	STA 0853-078	Ext Det Basin	40.423543	-104.678351	43-2-135	CDOT MS4 Required	CITY OF GREELEY	17757	EN002	
779	CO-119B-RS00006-EN001	Route 119B MM 46.162 WB Extd Det Basin	4001	R4110-010	CRTE	C 1191-027	Ext Det Basin	40.052618	-105.231881	No	CDOT MS4 Required	CDOT	16884	EN001	
780	CO-119B-RS00006-EN002	Route 119B MM 46.046 EB INL VLT	4001	R4110-010	CRTE	C 1191-027	Inlet/Vault/Prop Str	40.050848	-105.232941	No	CDOT MS4 Required	CDOT	16884	EN002	
781	CO-119B-RS00006-EN003	Route 119B MM 46.113 EB INL VLT	4001	R4110-010	CRTE	C 1191-027	Inlet/Vault/Prop Str	40.051747	-105.231811	No	CDOT MS4 Required	CDOT	16884	EN003	
782	CO-119B-RS00010-EN001	Route 119B MM 50.8 WB Extd Det Basin	4001	R4110-010	CRTE	C 1191-027	Ext Det Basin	40.103179	-105.175041	No	CDOT MS4 Required	CDOT	16884	EN001	
783	CO-287C-RS00091-EN001	Route 287C MM 328.0 NB Ret/Pond	4001	R4105-010	INAC DLFL	NH 2873-114	Ext Det Basin w/ Micro Pool	40.335194	-105.091989	No	TBD	TBD	13393	EN001	Inactive
784	CO-160A-RS00090-EN001	Route 160A MM 82.58 EB INF FAC	5002	R5310-010	CRTE	NH 1602-134	Infiltration Facility	37.268067	-107.884924	IGA	CDOT MS4 Required	CITY OF DURANGO	18858	EN001	
785	CO-160A-RS00091-EN001	Route 160A MM 83.131 WB Swale	5002	R5310-010	CRTE	NH 1602-134	Treatment Swale	37.268688	-107.886871	IGA	CDOT MS4 Required	CITY OF DURANGO	18858	EN001	
786	CO-160A-RS00091-EN002	Route 160A MM 83.163 WB Extd Det Basin	5002	R5310-010	CRTE	NH 1602-134	Ext Det Basin	37.268893	-107.885391	IGA	CDOT MS4 Required	CITY OF DURANGO	18858	EN002	
787	CO-160A-RS00092-EN001	Route 160A MM 83.8 WB Extd Det Basin	5002	R5310-010	CRTE	NH 1602-112	Ext Det Basin	37.262201	-107.877401	IGA	CDOT MS4 Required	CITY OF DURANGO	15504	EN001	
788	CO-160A-RS00092-EN002	Route 160A MM 83.8 SB Extd Det Basin	5002	R5310-010	CRTE	NH 1602-112	Ext Det Basin	37.262401	-107.878701	IGA	CDOT MS4 Required	CITY OF DURANGO	15504	EN002	
789	CO-160A-RS00092-EN003	Route 160A MM 83.9 NB Extd Det Basin	5002	R5310-010	CRTE	NH 1602-112	Ext Det Basin	37.261401	-107.876701	IGA	CDOT MS4 Required	CITY OF DURANGO	15504	EN003	
790	CO-160A-RS00092-EN004	Route 160A MM 83.165 EB Extd Det Basin	5002	R5310-010	CRTE	NH 1602-134	Ext Det Basin	37.268404	-107.885272	IGA	CDOT MS4 Required	CITY OF DURANGO	18858	EN004	
791	CO-160A-RS00092-EN005	Route 160A MM 83.211 EB Extd Det Basin	5002	R5310-010	CRTE	NH 1602-134	Ext Det Basin	37.268101	-107.884001	IGA	CDOT MS4 Required	CITY OF DURANGO	18858	EN005	
792	CO-160A-RS00093-EN001	Route 160A MM 84.5 NB Extd Det Basin	5002	R5310-010	CRTE	NH 1602-112	Ext Det Basin	37.252901	-107.876101	IGA	CDOT MS4 Required	CITY OF DURANGO	15504	EN001	
793	CO-160A-RS00093-EN002	Route 160A MM 84.5 SB Extd Det Basin	5002	R5310-010	CRTE	NH 1602-112	Ext Det Basin	37.252901	-107.876801	IGA	CDOT MS4 Required	CITY OF DURANGO	15504	EN002	
794	CO-160A-RS00093-EN003	Route 160A MM 84.6 NB INF FAC	5002	R5310-010	CRTE	NH 1602-112	Infiltration Facility	37.251501	-107.875801	IGA	CDOT MS4 Required	CITY OF DURANGO	15504	EN003	
795	CO-160A-RS00093-EN004	Route 160A MM 85.0 NB INF FAC	5002	R5310-010	CRTE	NH 1602-112	Infiltration Facility	37.246403	-107.873686	IGA	CDOT MS4 Required	CITY OF DURANGO	15504	EN004	
796	CO-160A-RS00093-EN005	Route 160A MM 85.0 NB INF FAC	5002	R5310-010	CRTE	NH 1602-112	Infiltration Facility	37.245701	-107.873401	IGA	CDOT MS4 Required	CITY OF DURANGO	15504	EN005	
797	CO-160A-RS00093-EN006	Route 160A MM 85.0 SB INF FAC	5002	R5310-010	CRTE	NH 1602-112	Infiltration Facility	37.246001	-107.874101	IGA	CDOT MS4 Required	CITY OF DURANGO	15504	EN006	
798	CO-160A-RS00094-EN001	Route 160A MM 85.1 NB INF FAC	5002	R5310-010	CRTE	NH 1602-112	Infiltration Facility	37.244301	-107.872801	IGA	CDOT MS4 Required	CITY OF DURANGO	15504	EN001	
799	CO-160A-RS00094-EN002	Route 160A MM 85.1 SB INF FAC													

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Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset	New
836	CO-036B-RS00074-EN001	Route 036B MM 54.766 WB Extd Det Basin	7001	R71M1-010	CRTE	NH 0361-093	Ext Det Basin	39.836894	-105.025981	IGA	CDOT MS4 Required	US 36 CONCESSIONAIRE	17516	EN001	
838	CO-036B-RS00074-EN002	Route 036B MM 54.941 EB Extd Det Basin	7001	R71M1-010	CRTE	NH 0361-093	Ext Det Basin	39.834844	-105.023115	IGA	CDOT MS4 Required	US 36 CONCESSIONAIRE	17516	EN002	
839	CO-025A-RS00331-EN001	Route 025A MM 249.7 SB Detention Basin	4001	TBD	CRTE	IM 0253-243	Ext Det Basin	40.299681	-104.980543	IGA	Other Requirements - See Notes	CDOT	20583	EN001	x
840	CO-287C-RS00134-EN001	Route 287C MM 348.6 Vault	4001	TBD	CRTE	STA 2873-100	Inlet/Vault/Prop Str	40.615952	-105.076646	IGA	CDOT MS4 Required	CDOT	12372	EN001	x
841	CO-287C-RS00135-EN001	Route 287C MM 349.343 Vault	4001	TBD	CRTE	STA 2873-100	Inlet/Vault/Prop Str	40.625056	-105.088595	IGA	CDOT MS4 Required	CDOT	12372	EN001	x
842	CO-287C-RS00135-EN002	Route 287C MM 349.362 Vault	4001	TBD	CRTE	STA 2873-100	Inlet/Vault/Prop Str	40.625138	-105.088855	IGA	CDOT MS4 Required	CDOT	12372	EN002	x
843	CO-287C-RS00135-EN003	Route 287C MM 350.0	4001	TBD	CRTE	STA 2873-100	Inlet/Vault/Prop Str	40.625311	-105.10245	IGA	Other Requirements - See Notes	CDOT	12372	EN003	x

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**CDOT Permanent Water Quality Control Measure Inventory (New)**  
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Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset
1	CO-002C-RS00008-EN001	Route 002C MM 17 INF FAC	1001	R1519-010	CRTE	STU 0021-032	Infiltration Facility	39.870701	-104.865001	IGA	Other Requirements - See Notes	COMMERCE CITY	15501	EN001
17	CO-007D-RS00004-EN001	Route 007D MM 64.144 INF FAC	1001	R1513-010	CRTE	SHE 007A-011	Infiltration Facility	40.000403	-105.059575	IGA	Other Requirements - See Notes	BOULDER COUNTY	16601	EN001
18	CO-007D-RS00004-EN002	Route 007D MM 64.144 SB Swale	1001	R1513-010	CRTE	SHE 007A-011	Treatment Swale	40.000502	-105.060171	IGA	Other Requirements - See Notes	BOULDER COUNTY	16601	EN002
19	CO-007D-RS00004-EN003	Route 007D MM 64.1 NB Swale	1001	R1513-010	CRTE	SHE 007A-011	Treatment Swale	40.000779	-105.060361	IGA	Other Requirements - See Notes	BOULDER COUNTY	16601	EN003
99	CO-025A-RS00280-EN001	Route 025A MM 224.2 NB WQ INL VLT	1001	R1513-010	CRTE	BR0253-192	Inlet/Vault/Prop Str	39.928453	-104.985222	IGA	Other Requirements - See Notes	THORNTON	15573	EN001
100	CO-025A-RS00280-EN002	Route 025A MM 224.2 NB WQ INL VLT	1001	R1513-010	CRTE	BR0253-192	Inlet/Vault/Prop Str	39.92864	-104.98524	IGA	Other Requirements - See Notes	THORNTON	15573	EN002
101	CO-025A-RS00280-EN003	Route 025A MM 224.2 NB WQ INL VLT	1001	R1513-010	CRTE	BR0253-192	Inlet/Vault/Prop Str	39.928626	-104.989947	IGA	Other Requirements - See Notes	WESTMINSTER	15573	EN003
137	CO-070A-RS00368-EN001	Route 070A MM 284.403 INL VLT	1001	R1510-010	CRTE	ES6 0704-217	Inlet/Vault/Prop Str	39.766912	-104.794309	43-2-135	Other Requirements - See Notes	CDOT	17192	EN001
138	CO-070A-RS00368-EN002	Route 070A MM 284.73 INL VLT	1001	R1510-010	CRTE	ES6 0704-217	Inlet/Vault/Prop Str	39.765119	-104.789095	43-2-135	Other Requirements - See Notes	CDOT	17192	EN002
139	CO-070A-RS00369-EN001	Route 070A MM 285 INL VLT	1001	R1510-010	CRTE	ES6 0704-217	Inlet/Vault/Prop Str	39.763102	-104.783253	43-2-135	Other Requirements - See Notes	CDOT	17192	EN001
140	CO-070A-RS00369-EN002	Route 070A MM 285.41 INL VLT	1001	R1510-010	CRTE	ES6 0704-217	Inlet/Vault/Prop Str	39.761086	-104.777411	43-2-135	Other Requirements - See Notes	CDOT	17192	EN002
147	CO-076A-RS00018-EN001	Route 076A MM 7.758 WB INF FAC	1001	R1519-010	CRTE	FBR 0761-209	Infiltration Facility	39.827555	-104.946418	43-2-135	Other Requirements - See Notes	CDOT	18070	EN001
148	CO-076A-RS00018-EN002	Route 076A MM 7.664 WB Extd Det Basin	1001	R1519-010	CRTE	FBR 0761-209	Ext Det Basin	39.826877	-104.948257	43-2-135	Non-MS4 Detention Required	CDOT	18070	EN002
149	CO-076A-RS00018-EN003	Route 076A MM 7.6 WB INL VLT	1001	R1519-010	CRTE	FBR 0761-209	Inlet/Vault/Prop Str	39.826173	-104.949512	43-2-135	Other Requirements - See Notes	CDOT	18070	EN003
150	CO-076A-RS00018-EN004	Route 076A MM 7.5 WB Extd Det Basin	1001	R1519-010	CRTE	FBR 0761-209	Ext Det Basin	39.825927	-104.950975	43-2-135	Non-MS4 Detention Required	CDOT	18070	EN004
151	CO-076A-RS00018-EN005	Route 076A MM 7.5 WB INF FAC	1001	R1519-010	CRTE	FBR 0761-209	Infiltration Facility	39.825568	-104.952408	43-2-135	Other Requirements - See Notes	CDOT	18070	EN005
152	CO-076A-RS00018-EN006	Route 076A MM 7.4 EB INF FAC	1001	R1519-010	CRTE	FBR 0761-209	Infiltration Facility	39.824992	-104.953161	43-2-135	Other Requirements - See Notes	CDOT	18070	EN006
164	CO-076A-RS00035-EN001	Route 076A MM 16.367 EB INL VLT	1001	R1519-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.907984	-104.826519	43-2-135	Other Requirements - See Notes	CDOT	16495	EN001
165	CO-076A-RS00035-EN002	Route 076A MM 16.708 EB INL VLT	1001	R1519-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.911061	-104.821187	43-2-135	Other Requirements - See Notes	CDOT	16495	EN002
166	CO-076A-RS00036-EN003	Route 076A MM 16.954 EB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.912893	-104.818551	43-2-135	Other Requirements - See Notes	CDOT	16495	EN003
178	CO-076A-RS00044-EN003	Route 076A MM 22.381 EB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.959878	-104.767561	43-2-135	CDOT MS4 Required	CDOT	16495	EN003
181	CO-076A-RS00226-EN001	Route 076A MM 20.411 WB INL VLT	1001	R1528-010	CRTE	SHE 0761-195	Inlet/Vault/Prop Str	39.951882	-104.776323	43-2-135	CDOT MS4 Required	CDOT	16495	EN001
205	CO-083A-RS00095-EN001	Route 083A MM 68.79 INF FAC	1001	R1518-010	CRTE	STU M055-014	Infiltration Facility	39.639250	-104.829180	IGA	CDOT MS4 Required	AURORA	13697	EN001
213	CO-085B-RS00019-EN001	Route 085B MM 200.319 NB Extd Det Basin	1001	R1530-010	CRTE	ES6 0852-103	Ext Det Basin	39.563461	-105.033499	IGA	Other Requirements - See Notes	CDOT	17679	EN001
214	CO-085B-RS00019-EN002	Route 085B MM 200.5 NB Extd Det Basin	1001	R1530-010	CRTE	ES6 0852-103	Ext Det Basin	39.566168	-105.031639	IGA	CDOT MS4 Required	CDOT	17679	EN002
217	CO-086B-RS0003-EN001	Route 086B MM 102.2 SB Extd Det Basin	1001	R1525-010	CRTE	STA 086A-047	Ext Det Basin	39.405376	-104.833021	No	Other/CherryCreekBasinAuthority	CDOT	16275	EN001
218	CO-086B-RS0003-EN002	Route 086B MM 102.583 SB Extd Det Basin	1001	R1525-010	CRTE	STA 086A-047	Ext Det Basin	39.400968	-104.830759	No	Other/CherryCreekBasinAuthority	CDOT	16275	EN002
219	CO-086B-RS0004-EN001	Route 086B MM 103.237 SB Extd Det Basin	1001	R1525-010	CRTE	STA 086A-047	Ext Det Basin	39.391893	-104.830869	No	Other/CherryCreekBasinAuthority	CDOT	16275	EN001
220	CO-086B-RS0004-EN002	Route 086B MM 103.7 NB Extd Det Basin	1001	R1525-010	CRTE	STA 086A-047	Ext Det Basin	39.384972	-104.828919	No	Other/CherryCreekBasinAuthority	CDOT	16275	EN002
221	CO-086B-RS0005-EN001	Route 086B MM 104.1 NB Extd Det Basin	1001	R1525-010	CRTE	STA 086A-047	Ext Det Basin	39.380838	-104.828494	No	Other/CherryCreekBasinAuthority	CDOT	16275	EN001
261	CO-224A-RS0002-EN001	Route 224A MM 1.3 EB Extd Det Basin	1001	R1519-010	CRTE	C 2706-033	Ext Det Basin	39.825733	-104.967698	43-2-135	Other Requirements - See Notes	CDOT	13579	EN001
262	CO-224A-RS0002-EN002	Route 224A MM 1.3 EB INF FAC	1001	R1519-010	CRTE	C 2706-033	Infiltration Facility	39.825991	-104.968239	43-2-135	Other Requirements - See Notes	CDOT	13579	EN002
284	CO-270A-RS00001-EN001	Route 270A MM 0 NB INF FAC	1001	R1512-010	CRTE	C 2706-033	Infiltration Facility	39.823144	-104.962985	43-2-135	Other Requirements - See Notes	CDOT	13579	EN001
384	CO-470A-RS00016-EN001	Route 470A MM 4.5 NB INL VLT	1001	R1509-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.649451	-105.180961	43-2-135	CDOT MS4 Required	CDOT	17524	EN001
414	CO-470A-RS00029-EN002	Route 470A MM 10.293 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.576917	-105.141126	43-2-135	CDOT MS4 Required	CDOT	17524	EN001
415	CO-470A-RS00029-EN003	Route 470A MM 10.321 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.575801	-105.140441	43-2-135	CDOT MS4 Required	CDOT	17524	EN001
416	CO-470A-RS00029-EN004	Route 470A MM 10.452 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.574728	-105.139651	43-2-135	CDOT MS4 Required	CDOT	17524	EN001
417	CO-470A-RS00029-EN005	Route 470A MM 10.522 NB INL VLT	1001	R1517-010	CRTE	SHE 4701-120	Inlet/Vault/Prop Str	39.573603	-105.138645	43-2-135	CDOT MS4 Required	CDOT	17524	EN001
418	CO-470A-RS00029-EN006	Route 470A MM 10.622 NB INL VLT	1001	R1517-0										

**Attachment E - AOC Item 72**  
**CDOT Permanent Water Quality Control Measure Inventory (New)**  
**AOC Submittal 1-31-2018**

Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset
470	CO-285D-RS00101-EN001	Route 285D MM 249.3 EB Extd Det Basin	1002	R1927-010	CRTE	BR 2854-102	Ext Det Basin	39.628669	-105.178232	43-2-135	Other Requirements - See Notes	CDOT	14890	EN001
491	CO-025A-RS00017-EN001	Route 025A MM 13.7 NB Extd Det Basin	2001	R2401-010	CRTE	TBD	Ext Det Basin	37.171725	-104.509422	IGA	Other Requirements - See Notes	TBD	TBD	EN001
647	CO-070A-RS00227-EN001	Route 070A MM 181.98 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.625003	-106.277508	No 27	Non-MS4 Detention Required	CDOT	13979	EN001
648	CO-070A-RS00229-EN001	Route 070A MM 182.16 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.622011	-106.279114	No 26	Non-MS4 Detention Required	CDOT	13979	EN001
649	CO-070A-RS00229-EN002	Route 070A MM 182.23 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.622011	-106.279114	No 28A	Non-MS4 Detention Required	CDOT	13979	EN002
650	CO-070A-RS00229-EN003	Route 070A MM 182.23 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.622011	-106.279114	No 28B	Non-MS4 Detention Required	CDOT	13979	EN003
651	CO-070A-RS00230-EN001	Route 070A MM 182.5 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.617028	-106.279853	No 29	Non-MS4 Detention Required	CDOT	13979	EN001
652	CO-070A-RS00230-EN002	Route 070A MM 182.93 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.611272	-106.277492	No 25	Non-MS4 Detention Required	CDOT	13979	EN002
653	CO-070A-RS00230-EN003	Route 070A MM 182.94 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.609836	-106.277467	No 30	Non-MS4 Detention Required	CDOT	13979	EN003
654	CO-070A-RS00231-EN001	Route 070A MM 183.02 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.609836	-106.277467	No 31	Non-MS4 Detention Required	CDOT	13979	EN001
655	CO-070A-RS00231-EN002	Route 070A MM 183.25 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.607028	-106.276475	No BERM	Non-MS4 Detention Required	CDOT	13979	EN002
656	CO-070A-RS00231-EN003	Route 070A MM 183.37 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.605547	-106.275292	No 24	Non-MS4 Detention Required	CDOT	13979	EN003
657	CO-070A-RS00231-EN004	Route 070A MM 183.62 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.602261	-106.273353	No 23	Non-MS4 Detention Required	CDOT	13979	EN004
658	CO-070A-RS00232-EN001	Route 070A MM 184.34 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.595203	-106.263233	No 22	Non-MS4 Detention Required	CDOT	13979	EN001
659	CO-070A-RS00232-EN002	Route 070A MM 184.61 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.595147	-106.257808	No 21B	Non-MS4 Detention Required	CDOT	13979	EN002
660	CO-070A-RS00232-EN003	Route 070A MM 184.62 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.595158	-106.257478	No 21A	Non-MS4 Detention Required	CDOT	13979	EN003
661	CO-070A-RS00232-EN004	Route 070A MM 184.62 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.594572	-106.257906	No 32B	Non-MS4 Detention Required	CDOT	13979	EN004
662	CO-070A-RS00232-EN005	Route 070A MM 184.79 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.594578	-106.257842	No 32A	Non-MS4 Detention Required	CDOT	13979	EN005
663	CO-070A-RS00232-EN006	Route 070A MM 184.89 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.594461	-106.251719	No 33	Non-MS4 Detention Required	CDOT	13979	EN006
664	CO-070A-RS00233-EN001	Route 070A MM 185.02 Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.594681	-106.250751	No 20	Non-MS4 Detention Required	CDOT	13979	EN001
665	CO-070A-RS00233-EN002	Route 070A MM 185.28 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.591178	-106.245519	No 19B	Non-MS4 Detention Required	CDOT	13979	EN002
666	CO-070A-RS00233-EN003	Route 070A MM 185.28 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.591089	-106.245408	No 19A	Non-MS4 Detention Required	CDOT	13979	EN003
667	CO-070A-RS00233-EN004	Route 070A MM 185.3 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.590675	-106.244897	No 18	Non-MS4 Detention Required	CDOT	13979	EN004
668	CO-070A-RS00233-EN005	Route 070A MM 185.33 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.589131	-106.244622	No 17	Non-MS4 Detention Required	CDOT	13979	EN005
669	CO-070A-RS00233-EN006	Route 070A MM 185.5 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.588978	-106.245158	No 34	Non-MS4 Detention Required	CDOT	13979	EN006
670	CO-070A-RS00233-EN007	Route 070A MM 185.64 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.586547	-106.245408	No 16B	Non-MS4 Detention Required	CDOT	13979	EN007
671	CO-070A-RS00233-EN008	Route 070A MM 185.65 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.585867	-106.245703	No 16A	Non-MS4 Detention Required	CDOT	13979	EN008
672	CO-070A-RS00233-EN009	Route 070A MM 185.7 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.586506	-106.245769	No 35	Non-MS4 Detention Required	CDOT	13979	EN009
673	CO-070A-RS00233-EN010	Route 070A MM 185.91 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.582344	-106.247103	No 36	Non-MS4 Detention Required	CDOT	13979	EN010
674	CO-070A-RS00233-EN011	Route 070A MM 185.91 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.583672	-106.247067	No 15	Non-MS4 Detention Required	CDOT	13979	EN011
675	CO-070A-RS00233-EN012	Route 070A MM 185.98 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.582747	-106.247436	No 37	Non-MS4 Detention Required	CDOT	13979	EN012
676	CO-070A-RS00234-EN001	Route 070A MM 186.11 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.580056	-106.249422	No 38	Non-MS4 Detention Required	CDOT	13979	EN001
677	CO-070A-RS00234-EN002	Route 070A MM 186.9 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.570258	-106.241033	No 14	Non-MS4 Detention Required	CDOT	13979	EN002
678	CO-070A-RS00234-EN003	Route 070A MM 186.95 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.569361	-106.239983	No 13	Non-MS4 Detention Required	CDOT	13979	EN003
679	CO-070A-RS00234-EN004	Route 070A MM 186.99 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.568817	-106.240356	No 39	Non-MS4 Detention Required	CDOT	13979	EN004
680	CO-070A-RS00235-EN001	Route 070A MM 187.17 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.568647	-106.239372	No 12	Non-MS4 Detention Required	CDOT	13979	EN001
681	CO-070A-RS00235-EN002	Route 070A MM 187.07 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.567894	-106.239019	No 11	Non-MS4 Detention Required	CDOT	13979	EN002
682	CO-070A-RS00235-EN003	Route 070A MM 187.13 WB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.567047	-106.238436	No 10	Non-MS4 Detention Required	CDOT	13979	EN003
683	CO-070A-RS00235-EN004	Route 070A MM 187.23 EB Extd Det Basin	3001	R3240-010	CRTE	STE R300-101	Ext Det Basin	39.565542	-106.237967	No 40	Non-MS4 Detention Required</td			

**Attachment E - AOC Item 72**  
**CDOT Permanent Water Quality Control Measure Inventory (New)**  
**AOC Submittal 1-31-2018**

Row	Functional Location Number	Description	Planning plant	Cost Center	System status	CDOT Project Number	Environmental Struct	LATITUDE	LONGITUDE	Maintenance Mechanism	PWQ Reason	Responsible Agency	Sub Account Number	Water Quality Asset
770	CO-066B-RS00030-EN001	Route 066B MM 42.3 EB Detention Basin	4001	R4115-010	CRTE	IM 0253-164	Ext Det Basin	40.204142	-104.988744	No	Other Requirements - See Notes	CDOT	13192	EN001
771	CO-066B-RS00030-EN002	Route 066B MM 42.618 EB Extd Det Basin	4001	R4115-010	CRTE	IM 0253-164	Ext Det Basin	40.201976	-104.982325	No	Other Requirements - See Notes	CDOT	13192	EN002
772	CO-085C-RS00056-EN001	Route 085C MM 263.85 NB Extd Det Basin	4001	R4116-010	CRTE	STL 0853-081	Ext Det Basin	40.368604	-104.694406	No	CDOT MS4 Required	TBD	18340	EN001
839	CO-025A-RS00331-EN001	Route 025A MM 249.7 SB Detention Basin	4001	TBD	CRTE	IM 0253-243	Ext Det Basin	40.299681	-104.980543	IGA	Other Requirements - See Notes	CDOT	20583	EN001
840	CO-287C-RS00134-EN001	Route 287C MM 348.6 Vault	4001	TBD	CRTE	STA 2873-100	Inlet/Vault/Prop Str	40.615952	-105.076646	IGA	CDOT MS4 Required	CDOT	12372	EN001
841	CO-287C-RS00135-EN001	Route 287C MM 349.343 Vault	4001	TBD	CRTE	STA 2873-100	Inlet/Vault/Prop Str	40.625056	-105.088595	IGA	CDOT MS4 Required	CDOT	12372	EN001
842	CO-287C-RS00135-EN002	Route 287C MM 349.362 Vault	4001	TBD	CRTE	STA 2873-100	Inlet/Vault/Prop Str	40.625138	-105.088855	IGA	CDOT MS4 Required	CDOT	12372	EN002
843	CO-287C-RS00135-EN003	Route 287C MM 350.0	4001	TBD	CRTE	STA 2873-100	Inlet/Vault/Prop Str	40.625311	-105.10245	IGA	Other Requirements - See Notes	CDOT	12372	EN003

### Attachment F\_AOC Item 74\_PWQ Inspections

R1 PWQ Facilities Maintenance Inspections supporting 2017 work

Dates without maintenance actions are a result of SAP tracking errors

Tracking #	Facility Description	Latitude/Longitude	Date of Compliance Inspection	Date of work orders & maintenace action	CDOT Maintained or IGA
CO-002C-RS00008-EN001	Infiltration Facility	39.870701, -104.865001	10/27/2016	No deficiencies –Monitor for future Maintenance	IGA & COMMERCE CITY
CO-025A-RS00240-EN001	Inlet/Vault/Prop Str	39.595053, -104.886553	8/25/2016	05/09/2017, 07/27/2017, 07/31/2017	CDOT
CO-025A-RS00246-EN001	Ext Det Basin	39.652121, -104.918872	10/7/2016	12/13/2016, 12/16/2016, 01/24/2017, 05/03/2017, 05/24/2017, 07/11/2017, 08/17/2017, 09/26/2017, 09/28/2017	IGA & CDOT maintained
CO-070A-RS00341-EN004	Ext Det Basin	39.778583, -105.133018	7/11/2016	9/20/2016, 10/19/2016, 10/20/2016, 6/27/2017, 8/23/2017- "Cleaned and removed debris from trickle pan", 9/11/2017, 9/12/2017	CDOT
CO-070A-RS00362-EN001	Ext Det Basin	39.777131, -104.892134	5/11/2016	11/9/2016, 1/12/2017 - "I-70 and Central Park open up four bay", 2/7/2017	IGA & CDOT maintained
CO-070A-RS00375-EN001	Infiltration Facility	39.740436, -104.716431	11/15/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-070A-RS00375-EN002	Infiltration Facility	39.739922, -104.716331	11/15/2016	No deficiencies –Monitor for future Maintenance	IGA & CDOT maintained
CO-076A-RS00019-EN002	Treatment Swale	39.831528, -104.941647	5/11/2016	9/27/2017	CDOT

Tracking #	Facility Description	Latitude/Longitude	Date of Compliance Inspection	Date of work orders & maintenance action	CDOT Maintained or IGA
CO-095A-RS00058-EN001	Inlet/Vault/Prop Str	39.804825, -105.053165	9/2/2016	08/09/2017 - Right lane closure and vacuum out inlet (specifically states followed the Inspection form)	IGA & ARVADA
CO-025A-RS00257-EN003	Inlet/Vault/Prop Str	39.745724, -105.017037	8/29/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-025A-RS00272-EN003	Treatment Swale	39.886911, -104.988204	10/3/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-025A-RS00280-EN001	Inlet/Vault/Prop Str	39.928453, -104.985222	8/23/2016	No deficiencies –Monitor for future Maintenance	IGA & THORNTON
CO-025A-RS00280-EN002	Inlet/Vault/Prop Str	39.92864, -104.98524	8/23/2016	No deficiencies –Monitor for future Maintenance	IGA & THORNTON
CO-025A-RS00280-EN003	Inlet/Vault/Prop Str	39.928626, -104.989947	9/2/2016	No deficiencies –Monitor for future Maintenance	IGA & WESTMINSTER
CO-036B-RS00074-EN001	Ext Det Basin	39.836894, -105.025981	11/3/2016	No deficiencies –Monitor for future Maintenance	IGA & US 36 CONCESSIONAIRE
CO-070A-RS00342-EN002	Inlet/Vault/Prop Str	39.778379, -105.131048	8/23/2016	No deficiencies –Monitor for future Maintenance	C.R.S. 43-2-135 & WHEAT RIDGE
CO-070A-RS00342-EN003	Inlet/Vault/Prop Str	39.778305, -105.129714	9/29/2016	No deficiencies –Monitor for future Maintenance	C.R.S. 43-2-135 & WHEAT RIDGE
CO-083A-RS00083-EN001	Infiltration Facility	39.600438, -104.805521	8/25/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-083A-RS00083-EN002	Infiltration Facility	39.600438, -104.805521	8/25/2016	No deficiencies –Monitor for future Maintenance	CDOT

Tracking #	Facility Description	Latitude/Longitude	Date of Compliance Inspection	Date of work orders & maintenance action	CDOT Maintained or IGA
CO-083A-RS00095-EN001	Infiltration Facility	39.639250, -104.829180	8/25/2016	No deficiencies –Monitor for future Maintenance	IGA & AURORA
CO-128A-RS00018-EN001	Ext Det Basin	39.918563, -105.131497	10/31/2016	No deficiencies –Monitor for future Maintenance	IGA & BROOMFIELD
CO-128A-RS00021-EN001	Ext Det Basin	39.912604, -105.091098	10/24/2016	No deficiencies –Monitor for future Maintenance	IGA & BROOMFIELD
CO-177A-RS00006-EN001	Ext Det Basin	39.59623279, -104.9587149	11/2/2016	2/27/2017 - "Post inspection removed straw waddles"	IGA & CDOT maintained
CO-225A-RS00002-EN001	Ext Det Basin	39.63631757, -104.8929871	10/4/2016	10/20/2016, 12/05/2016, 09/27/2017 - "opening up all drains on this section"	IGA & CDOT maintained
CO-225A-RS00009-EN001	Inlet/Vault/Prop Str	39.682457, -104.829187	7/12/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-270A-RS00005-EN001	Infiltration Facility	39.79437428, -104.9188929	10/27/2016	04/26/2017 - Enviro30dayInspection, 04/27/2017 (inspections)	CDOT
CO-270A-RS00005-EN002	Infiltration Facility	39.7943669, -104.9182141	10/27/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-270A-RS00005-EN003	Infiltration Facility	39.79414872, -104.9164774	5/11/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-270A-RS00005-EN004	Infiltration Facility	39.79368688, -104.9148511	10/27/2016	05/16/2017, 07/21/2017	CDOT
CO-270A-RS00005-EN005	Infiltration Facility	39.79298741, -104.9133954	10/27/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-270A-RS00005-EN006	Infiltration Facility	39.79332604, -104.9130774	10/27/2016	No deficiencies –Monitor for future Maintenance	CDOT

Tracking #	Facility Description	Latitude/Longitude	Date of Compliance Inspection	Date of work orders & maintenance action	CDOT Maintained or IGA
CO-270A-RS00005-EN007	Infiltration Facility	39.79201813, -104.911714	10/27/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-270A-RS00005-EN008	Infiltration Facility	39.79237226, -104.9114077	11/29/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-270A-RS00005-EN009	Infiltration Facility	39.79135487, -104.9105266	10/27/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-270A-RS00005-EN010	Infiltration Facility	39.79170724, -104.9102052	11/29/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-270A-RS00005-EN011	Infiltration Facility	39.79038475, -104.9088351	10/27/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-270A-RS00005-EN012	Infiltration Facility	39.78923668, -104.9068265	11/29/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-270A-RS00006-EN001	Infiltration Facility	39.78830863, -104.9051105	11/29/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-270A-RS00006-EN002	Infiltration Facility	39.78753071, -104.9041523	11/29/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-470A-RS00010-EN001	Ext Det Basin	39.684507, -105.187351	10/5/2016	10/13/2016, 10/14/2016, 10/21/2016, 12/05/2016, 12/22/2016, 12/28/2016, 04/21/2017, 05/15/2017, 08/01/2017, 08/14/2017 - "Enviro30dayInspection", 09/27/2017	IGA & CDOT maintained
CO-470A-RS00010-EN002	Ext Det Basin	39.682741, -105.188847	10/13/2016	12/27/2016, 06/22/2017 - "cleaned and removed debris from trickle pan" 07/25/2017, 09/28/2017	IGA & CDOT maintained

<b>Tracking #</b>	<b>Facility Description</b>	<b>Latitude/Longitude</b>	<b>Date of Compliance Inspection</b>	<b>Date of work orders &amp; maintenance action</b>	<b>CDOT Maintained or IGA</b>
CO-470A-RS00046-EN001	Inlet/Vault/Prop Str	39.564378, -104.960799	9/29/2016	No deficiencies –Monitor for future Maintenance	CDOT
CO-470A-RS00046-EN002	Inlet/Vault/Prop Str	39.563937, -104.961114	9/2/2016	No deficiencies –Monitor for future Maintenance	CDOT

### Attachment F\_AOC Item 74\_PWQ Inspections

#### R2 PWQ Facilities Maintenance -

Tracking #	Facility Description	Latitude / Longitude	Date of Inspection	Date of Maintenance / activities	CDOT Maintained or IGA
CO-050A-RS00346-EN001	Wills Ext Det Basin w/ micro pool	38.309237 -104.64671	4/26/2017	5/4/17 mowing detention basin, cleaned sediment from micropool, repaired outfall screen	CDOT maintained
CO-96A-RS000069-EN002	4 <sup>th</sup> Street (SH 96) Bridge StormCeptor Vault	38.8713172 -104.7203862	4/26/2017	5/9/17 VacTruck cleaning of sediment	CDOT maintained IGA pending
CO-050A-RS00344-EN003	US 50 WB MM312.5 Ext Det Basin w/ micro pool	39.0321579 -104.8385666	6/14/2017	6/19/17 cleaned sediment from forebay, trickle channel and in front of outfall box, clean trash and debris from outfall box screen	CDOT maintained
CO-115A-RS00002-EN001	Route 115A MM 0.895 SB (Canon City) StormCeptor Vault	38.8635172 -104.7204174	12/1/2017	12/20/17 VacTruck cleaning of sediment	CDOT maintained IGA pending

#### R2 PWQ Facilities Inspections -

Tracking #	Facility Description	Latitude / Longitude	Date of Inspection	Inspection Comments	CDOT Maintained or IGA
CO-025A-RS00193-EN003	EDB	39.0247859 -104.8365340	12/1/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00193-EN002	EDB	39.0010802 -104.8190014	12/1/2017	Maintenance Required – debris and sediment - will be scheduled within permit timeframe	CDOT

<b>Tracking #</b>	<b>Facility Description</b>	<b>Latitude / Longitude</b>	<b>Date of Inspection</b>	<b>Date of Maintenance / activities</b>	<b>CDOT Maintained or IGA</b>
CO-025A-RS00193-EN001	EDB		12/1/2017	Maintenance Required – excessive sedimentation, clogged outlet screen, damaged screen - will be scheduled within permit timeframe	CDOT
CO-025-RS00192-EN020	Grass swale with rock checks	38.3092365 -104.6467327	12/1/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00192-EN018	Grass swale with rock checks	39.0048326 -104.7782839	12/1/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00192-EN019	Grass swale with rock checks	38.3078838 -104.6224630	12/1/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00191-EN011	Grass swale with rock checks	38.9892012 -104.8168878	12/1/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00191-EN012	Grass swale with rock checks	39.0570446 -104.8527398	12/1/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00191-EN010	Grass swale with rock checks	38.9789313 -104.8101912	12/1/2017	No deficiencies –Monitor for future Maintenance	CDOT
CO-025A-RS00191-EN008	Grass swale with rock checks	38.9828715 -104.8121525	12/1/2017	No deficiencies –Monitor for future Maintenance	CDOT
CO-025A-RS00191-EN007	Grass swale with rock checks	38.9814677 -104.8100531	12/1/2017	No deficiencies –Monitor for future Maintenance	CDOT
CO-025A-RS00191-EN006	Grass swale with rock checks	38.9694690 -104.8061793	12/1/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00191-EN005	Grass swale with rock checks	38.9630820 -104.8034541	12/1/2017	No deficiencies –Monitor for future Maintenance	CDOT
CO-025A-RS00191-EN002	EDB w/ micro pool	38.9550546 -104.8834629	12/1/2017	No deficiencies –Monitor for future Maintenance	CDOT
CO-025A-RS00191-EN001	EDB w/ micro pool	38.7614330 -104.7535630	12/7/2017	No deficiencies –Monitor for future Maintenance	CDOT
CO-025A-RS00191-EN004	Grass swale with rock checks	38.9666546 -104.8060448	12/4/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT

<b>Tracking #</b>	<b>Facility Description</b>	<b>Latitude / Longitude</b>	<b>Date of Inspection</b>	<b>Date of Maintenance / activities</b>	<b>CDOT Maintained or IGA</b>
CO-025A-RS00191-EN003	Grass swale with rock checks	38.9571498 -104.8018443	12/7/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00190-EN011	Grass swale with rock checks	39.0834757 -104.8600570	12/4/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00190-EN003	EDB	39.0608690 -104.8546420	12/4/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00190-EN008	Grass swale with rock checks	39.0682146 -104.8563756	12/7/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00190-EN009	Grass swale with rock checks	39.0741871 -104.8576942	12/4/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00190-EN006	Grass swale with rock checks	39.0674747 -104.8575142	12/7/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00190-EN007	Grass swale with rock checks	39.0770362 -104.8603710	12/4/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00190-EN005	Grass swale with rock checks	39.0654647 -104.8558187	12/4/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00190-EN004	Grass swale with rock checks	39.0637323 -104.8567763	12/7/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00189-EN016	Grass swale with rock checks	39.0599427 -104.8527372	12/7/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00189-EN018	Grass swale with rock checks	39.0560661 -104.8515497	12/4/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00189-EN015	Grass swale with rock checks	39.0507182 -104.8470248	12/7/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00189-EN013	Grass swale with rock checks	39.0454418 -104.8453829	12/7/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00189-EN014	Grass swale with rock checks	39.0455724 -104.8442189	12/4/2017	Maintenance Required – major erosion at site	CDOT

<b>Tracking #</b>	<b>Facility Description</b>	<b>Latitude / Longitude</b>	<b>Date of Inspection</b>	<b>Date of Maintenance / activities</b>	<b>CDOT Maintained or IGA</b>
CO-025A-RS00189-EN012	Grass swale with rock checks	39.0433751 -104.8439415	12/4/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00189-EN010	Grass swale with rock checks	39.0394840 -104.8417615	12/7/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00189-EN006	Grass swale with rock checks	39.0352961 -104.8389474	12/7/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00189-EN008	Grass swale with rock checks	39.0404916 -104.8411004	12/6/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00189-EN005	Grass swale with rock checks	39.0353075 -104.8381562	12/7/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00189-EN004	Bio swale	39.0325508 -104.8363881	12/7/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00189-EN001	culvert	39.0305428 -104.8372345	12/6/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00188-EN007	Grass swale with rock checks	39.0252244 -104.8363695	12/6/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00188-EN001	EDB w/ micro pool	39.0213637 -104.8328608	12/6/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00188-EN009	Grass swale with rock checks	39.0286356 -104.8361573	12/6/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00188-EN005	Grass swale with rock checks	39.0276074 -104.8315135	12/11/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00188-EN004	Grass swale with rock checks	39.0274575 -104.8293702	12/12/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00188-EN003	Grass swale with rock checks	39.0270417 -104.8302636	12/11/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00187-EN003	Grass swale with rock checks	39.0118282 -104.8238775	12/12/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00187-EN008	Grass swale with rock checks	39.0197688 -104.8308241	12/12/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00187-EN007	Grass swale with rock checks	39.0191843 -104.8304344	12/11/2017	No deficiencies – Monitor for future Maintenance	CDOT

<b>Tracking #</b>	<b>Facility Description</b>	<b>Latitude / Longitude</b>	<b>Date of Inspection</b>	<b>Date of Maintenance / activities</b>	<b>CDOT Maintained or IGA</b>
CO-025A-RS00187-EN006	Grass swale with rock checks	39.0136674 -104.8283498	12/12/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00187-EN002	Grass swale with rock checks	39.0065735 -104.8227206	12/12/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00187-EN004	Grass swale with rock checks	39.0177501 -104.8273177	12/11/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00186-EN001	EDB Fore bay Infiltration	38.9503747 -104.8089858	12/11/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT
CO-025A-RS00186-EN005	Grass swale with rock checks	38.9985612 -104.8169454	12/12/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00186-EN007	Grass swale with rock checks	39.0061836 -104.8204905	12/11/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00186-EN006	Grass swale with rock checks	39.0039867 -104.8205275	12/11/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00186-EN003	Grass swale with rock checks	38.9912099 -104.8152587	12/12/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00186-EN004	EDB w/ micro pool	38.9985225 -104.8180973	12/11/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00186-EN002	EDB w/ micro pool	38.9935977 -104.8148972	12/11/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00185-EN001	Grass swale with rock checks	39.0907360 -104.8629130	12/13/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00184-EN004	EDB w/ micro pool	39.0896849 -104.8624258	12/13/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00184-EN003	EDB w/ micro pool	38.7188380 -104.7292970	12/13/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00184-EN002	EDB w/ micro pool	38.9362000 -104.7196910	12/13/2017	No deficiencies – Monitor for future Maintenance	CDOT
CO-025A-RS00182-EN001	EDB w/ micro pool	38.9760600 -104.7528020	12/13/2017	Routine Maintenance Required - will be scheduled within permit timeframe	CDOT